

NEARLY **£3,000** OF PROFITS

WHICH BELONG TO CHEMISTS GO TO TOBACCONISTS BECAUSE THEY SELL

PINOZA

CIGARETTES, CIGARS,
TOBACCO AND SNUFF,

Also PINOZA VOICE LOZENGES.

These goods should be sold by chemists, and each day more chemists are realising that they are of remarkable value for removing

BRONCHITIS and ASTHMA, and Preventing INFLUENZA.

THE "LANCET" says: "Pine Oil volatilized in 'PINOZA' Cigarettes exerts a soothing effect on affections of the respiratory organs.

"THE CHEMIST AND DRUGGIST" says: "Pine Oil used in 'PINOZA' Tobaccos has excellent antiseptic properties, and is found of benefit in Throat and Chest complaints."

The finest Tobacco is impregnated with Pinoza Extract, which is volatilized by the heat of the burning tobacco, and carried in by the smoke. It covers the lining of the throat, nose and chest, soothing and allaying the irritation,

PINOZA VOICE LOZENGES REMOVE HOARSENESS, &c.

PINOZA BRINGS NEW CUSTOMERS.

WRITE FOR SHOW CARDS AND SPECIAL OFFER.

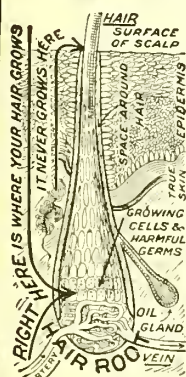
THE PINOZA TOBACCO CO., CHAPEL COURT, BORO', S.E.

ON P.A.T.A. LIST.

CAPSULOIDS

FOR FALLING OUT or PREMATURELY GREY

HAIR



LOOK AT THIS PICTURE OF A GROWING HAIR GREATLY MAGNIFIED and note that all growth takes place only from the very bottom of the root, and not at the surface of the scalp. You see the root contains those harmful germs which multiply, soften the root, rob the hair of its colour, make the hair fall out, and finally destroy the root altogether. CAPSULOIDS are dissolved in the stomach and pass into the blood. They destroy the germs, nourish the roots, and cause healthy, vigorous growth of the hair, and the only remedy that will do this is CAPSULOIDS.

PRICE TO PUBLIC, 2/3 per box.

For quantities of not less than 3 gross, 22/- per dozen, 1 gross, 22/6 per dozen! 4 dozen, 23/- per dozen.

The above will be subject to a discount of 6d. per dozen if payment is made on or before the 10th of the month following month of purchase, and a further discount of 3d. per dozen ONLY IF CASH ACCOMPANIES THE ORDER.

For less than 4 dozen, 23/6 per dozen, net cash with order. FOR EXPORT CAPSULOIDS ARE SPECIALLY PACKED IN GLASS TUBES.

CAPSULOIDS (1909) Ltd., CHAPEL COURT, BORO', S.E.

ON P.A.T.A. LIST

"MOTHER'S ADVICE"

(Formerly called CICFA)

CURES INDIGESTION

CONSTIPATION, FLATULENCE, & ACIDITY.

Neatly
packed
in
Glass
Tubes.

Price :
1/1½ and
2/9
per box.



Large
Size
contains
3 times
as
many
as
Small
Size.

For quantities of £10 and upwards, small size, 10/9, large size, 27/-.

For quantities of £5 and upwards, small size, 11/-, large size, 28/-.

Subject to 2½ per cent. discount. CASH WITH ORDER. For smaller quantities: Small size, 11/3 per doz. net cash with order. Large size, 29/6 " " " " " "

CAPSULOIDS (1909) Ltd., CHAPEL COURT, BORO', S.E.

BE SURE YOU ARE READY.

To my Friends in the Trade:—

Keating's Powder Catches Customers

My Spring advertising for KEATING'S POWDER has now begun, and will soon be in full swing. Arrangements have been made to augment it considerably.

Your customers will be asking for "KEATINGS" and be disappointed if they do not get it. Order NOW that this may not happen. A customer disappointed is a customer lost.

Advertising matter and handbills are at your disposal with pleasure, delivered free of all cost.

On several occasions in recent years I have had to take steps to stop the substitution of other goods for mine. These actions have almost invariably been taken at the request of neighbouring vendors who have suffered in consequence of such substitution. No one regrets more than I do the necessity of taking proceedings, involving as they do heavy costs and damages, but in the interests of all, Traders, the Public, and myself, I am obliged to prosecute. I trust no necessity will arise during this season.

May I take this opportunity of thanking all my friends for their kindly co-operation and support in the past, which I appreciate.

THOMAS KEATING.

50 and 52 Union Street, London, S.E.

KEATING'S POWDER is now sold in 1d. Tins. Other sizes, 3d., 6d., 1s.; Tin Bellows (Filled), 9d. each. Of all Wholesalers.



Our prices are as low as is consistent with the highest quality, while it is scarcely necessary to remind our friends of the high reputation our manufactures have enjoyed in the trade for nearly a century, and this standard we shall endeavour always to maintain.



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ETHER, for ice works,
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COPAIBA,
CHAULMOOCRA OIL,
CREOSOTE
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&c., &c., &c.

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:: :: The India Office, :: ::
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THE PRINCIPAL LONDON
— AND —
PROVINCIAL HOSPITALS.

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— **LONDON.** —

DRUGS, ALL PHARMACEUTICAL PREPARATIONS,
PACKED CHEMISTS' SPECIALITIES, AND CHEMICALS.

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ALWAYS ADVERTISED. ALWAYS SELLING

Never forget to Replenish your
Stock. Special Showcards gratis.

Zam-Buk

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SOAP

THE SOAP TO STOCK & RECOMMEND.

Sales Increasing Enormously.
Supported by Extensive Advertising
in Newspapers and Pamphlets, and
by Mailing and Canvassing.

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or 17 South Frederick Street, DUBLIN.

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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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ACETIC ACID

Boehm, Fredk., Ltd.
Crown Chemical Works, Ltd.
Fuert Bros.

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Ford, Shapland & Co.
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Conrol Automatic Aerators, Ltd.
(See also SODA FOUNTAINS)

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Stanton & Howell, Ltd.
Stamer, Dr. Richard
(See also ESSENCES, SOL.)

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Sankyo & Co.

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Hutchinson Co.

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Corry & Co., Ltd.
Tomlinson & Hayward, Ltd.
Voss, Walter, & Co.

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Canexia Chem. Works

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Boehringer, C. H., Sohn
Hoffmann-La Roche, Ltd.
Howards & Sons, Ltd.
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Madoery, H.

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Towasend, J., & Sons

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Scrubb & Co., Ltd.

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ANNATTO

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Tomlinson & Hayward, Ltd.

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ANÆSTHETICS

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Macfarlan, J. F., & Co.
Smith, T. & H. Ltd.
Zimmermann, C., & Co.
(See also CHLOROPFORM)

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Wood, Vincent

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Reitmeyer & Co.

Tyrer, T., & Co., Ltd.

White, A., & Sons

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Lewis, H. K.

Martindale's "Extra Phar."

Squire's "Companion"

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(See also DISINFECTANTS)

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(See also WHOLESALE)

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Schimmel & Co.
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Ontem Corn Remedy Co.

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CREOSOTE

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Fentiman, A. J., & Co.
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Wright, Layman & Umney, Ltd.
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Christy, T., & Co.
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Standard Tablet & Pill Co.
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DEXTRINE

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Callard & Co.
Van Abbott, G., & Sons

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Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.

DYES

Judson, D., & Son
Whitaker & Co. (Hat)

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Burge, Warren & Ridgley
Bush, H. W., & Co., Ltd.
Chemist's Co-operative Wholesale
Christy, T., & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Sons
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Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Queloh, H. C., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Wattenbach, O.
Wood, Vincent
Woolley, J., Sons & Co.

EAU DE COLOGNE

Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS

Bath and West of England College of Pharmacy.
British Optical Institute
Edinburgh Central School
Glasgow School of Pharmacy
Harker, Charles
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School
North of England School
Northern College of Pharmacy
Royal Dental Hospital
South of England College

ELASTIC HOSIERY

Ayrton, Saunders & Co., Ltd.
Berliner Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

ELECTRO-PLATING

Galvanit Mfg. Co.

EMBOCATIONS

Chameleon Oil Co., Ltd.

EMERY AND CLOTH

Oakey, J., & Sons, Ltd.

EFFERVESCENT PREPS.

Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
British Drug Houses, Ltd.
Butler, T. E., Son, & Co.
Cox, A. H. & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Howards & Sons, Ltd.
Kutnow, S., & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney, Ltd.

MULSIONS, C.L.O., ETC.

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons & Co.
Wright, Layman & Umney, Ltd.

ENTOMOLOG. APPARATUS

Watkins & Doncaster

NEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley, Ltd.
Daval Rubber Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co. Ltd.

PSOM SALTS

Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lantier Fils

Murray O., & Co., Ltd.

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Bush, W. J., & Co., Ltd.
Fuerst Bros.
Hay, Wm., Ltd.
Lantier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newhall & Mason
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS

Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Hymans, H., & Co.

EXTRACT OF HERBS

Newball & Mason

Potter & Clarke

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Evans Sons Lescher & Webb, Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)

FEEDING BOTTLES

Brefft, E., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers
Solport Bros.
Southall Bros. & Barclay, Ltd.

FERTILISERS

Neues Kaliyndikat
Voss, Walter, & Co.
With's Chemical Mannre Co.

FLYCATCHERS

Alahastine Co. (British), Ltd.
Deansmere Manfg. Co.
Ford, Shapland & Co.
Frowein, C.
Jackson, W. & H.
Kay Bros., Ltd.
Smith, J. H., & Co.
Tanbridge & Wright

FILTERS

Berkefeld Filter Co., Ltd.

Seitz, Theo

FLESH GLOVES

Sangers
Solport Bros.

FOODS, INFANTS'

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis B. & T.

FOODS, SPECIAL

Allen & Hanburys, Ltd.
Bayer Co., Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Brusson Jeune
Burt, C. J.
Callard & Co.

Fairchild Bros. & Foster

Frame Food Co., Ltd.

Menley & James, Ltd.

Natural Food Co., Ltd.

Virol, Ltd.

Wander, A

FRUIT SYRUPS

Idris & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

GELATIN AND GLUE

Boehm, F., Ltd.

GLAUBER'S SALT

Branswell, E., & Son

Howards & Sons, Ltd.

GLYCERIN

Boehm, F., Ltd.

Fuerst Bros.

Meffert, Hermann & Co.

Price's Patent Candle Co.

Steven, Andrew, & Son

GLYCERIN PLANT

Forshaw, E., & Son, Ltd.

GOLDBEATER'S SKIN

Gutmann & Leslie Gates

GOLD PAINT

Judson, D., & Son

GRINDERS

Allen, Stafford, & Sons, Ltd.

Goodall, Backhouse & Co.

Willows, Francis B. & T.

GUMMED PAPER TAPE

Gosheron, John, & Co.

GUMS

Fink, F., & Co.

HAIR DYES

Blackie, Robert

Harker, Stagg & Morgan, Ltd.

HAIR PREPARATIONS

Bates, F. W.

Blackie, Robert

Capsuloids (1909), Ltd.

Chesebrough Manfg. Co.

Edwards' "Harlene" Co.

Egglossa Mngf. Co.

Harker, Stagg & Morgan, Ltd.

Herpicide Co.

John Strange Winter

Robare's Aureoline

Rowland, A., & Sons

To-Kalon Mngf. Co., Ltd.

HAT DYES

Whitaker & Co.

HERBS

Brook, Parker & Co., Ltd.

Potter & Clarke, Ltd.

Ransom, W., & Son

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.

Epps, James, & Co.

Keene & Ashwell, Ltd.

Leath & Rosa

HOTELS

Edmond Hotel

Kingsley Hotel

Thackeray Hotel

HOT-WATER BOTTLES

Berliner, Arthur

Burge, Warren & Ridgley

Dunlop Rubber Co., Ltd.

Galen Mfg. Co., Ltd.

Hutchinson Co.

Maw, S., Son & Sons

May, Roberts & Co.

Newbery, F., & Sons, Ltd.

Southall Bros. & Barclay

Tompkins, James, Ltd.

Wood, Vincent.

HYDROGEN PEROXIDE

May & Baker, Ltd.

Sanitas Co., Ltd.

Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.

Tyrer, T., & Co., Ltd.

HEATING APPARATUS

Clark, S., & Co.

INHALERS

Maw, S., Son & Sons

INSECT POWDER

Boehm, F. Ltd.

Keating, Thomas

Smith, B. A., & Co.

INSECTICIDES

Aome Chemical Co., Ltd.

Corry & Co., Ltd.

Christy, Thos., & Co.

Howarth & Fair

Smith, B. A., & Co.

Tomlinson & Hayward, Ltd.

Voss, Walter, & Co.

INVALID CHAIRS

Ellimore, W. T., & Son, Ltd.

IODINE AND IODIDES

Howards & Sons, Ltd.

Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Brefft, E., & Co., Ltd.

Bush, H. W., & Co., Ltd.

Christy, T., & Co.

Johnsen & Jorgensen Ltd.

Kilner Bros., Ltd.

Lang, Jules, & Son

Maw, S., Son & Sons

Poths, H., & Co.

Renter, R. J.

Stipendium Stopper Co.

Toogood, W., Ltd.

LACTIC FERMENT PREPS.

Allen & Hanburys, Ltd.

Cox, Arthur H., & Co., Ltd.

Davies Sons & Co.

Evans Sons Lescher & Webb, Ltd.

Lloyd, T. Howard, & Co.

Martindale, W.

Parke, Davis & Co.

Standard Tablet Co.

Wilcox, Jozeau & Co.

LANOLINE

Burroughs Wellcome & Co.

Christy, T., & Co.

LARD

Even, J., & Sons

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb

Goodall, Backhouse & Co.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.

Robinson & Sons, Ltd.

Taylor, W. G.

Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.

British Drug Houses, Ltd.

Evans, Gray & Hood

Fuerst Bros.

Evans Sons Lescher & Webb, Ltd.

Horner & Sons

Jackson, E. E.

Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.

Fletcher, Fletcher & Co.

Hewlett, C. J., & Son

Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.

Fuerst Bros.

May & Baker, Ltd.

Merck, E.

LOZENGES

Ayrton, Saunders & Co., Ltd.

Cox, A. H., & Co., Ltd.

Denoual, J., & Co.

Jackson, E. E.

Potter & Clarke, Ltd.

Raines & Co.

Warrick Bros.

MAILING CASES

Estes, E. B., & Sons

MARKING INK

Hickinson, A. (Bond's)

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.

Bennett, E., & Son, Ltd.

Bennett, Sons & Shears, Ltd.

Braithwaite H., & Co., Ltd.

Forshaw, E., & Son, Ltd.

Gardner, Wm., & Sons, Ltd.

Pindar, J. W., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

MEASURES

Beaton & Co.

Bush, H. W., & Co., Ltd.

MAGNESIA AND ITS SALTS

Henry, T., & W.

Howards & Sons, Ltd.

May & Baker, Ltd.

Parke, Davis & Co.

Washington Chemical Co.

MALT EXTRACT AND PREPS

Allen & Hanburys, Ltd.

Blackie, R.

British DiaMalt Co.

Burroughs Wellcome & Co.

Evans Sons Lescher & Webb

Hewlett, C. J., & Son

Lorimer & Co., Ltd.

Montgomerie & Co., Ltd.

Oppenheimer, Son & Co., Ltd.

Paine & Co., Ltd.

Southall Bros. & Barclay, Ltd.

Woolley, Jas., Sons & Co., Ltd.

Wright, Layman & Umney

MEAT EXTRACTS

Armour & Co., Ltd.

Brand & Co., Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.

Keene & Ashwell, Ltd.

Leath & Ross

Lloyd, T. Howard, & Co.

OPTICAL GOODS

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.

OXYGEN APPARATUS

Oppenheimer, Son & Co., Ltd.

OZONE GENERATOR

Reuter, R. J.

PALATINOLIDS

Oppenheimer, Son & Co.

PAPER TUBES

O'Neill, S., & Sons, Ltd.

PASTILLES

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Epps, James & Co.
Evans Sons Lescher & Webb
Wander, A.
Warriok Bros.

PATENT AGENT

Barker, R. W.

PERFUME FILTERS

Seitz, Theo.

PERFUME MATERIALS

Botwright & Grey
Bush, W. J., & Co., Ltd.
Chris, Antoine
Compagnie Morana
Lautier Fils
Murray, O., & Co., Ltd.
Scheller, Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.

PERFUMES

Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Erasmio Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hewlett, O. J., & Son
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lescol Perfumery Co.
McCraoken, J., & R.
Maw, S., Son & Sons
Morison, G. H., & Co., Ltd.
Newbery, F., & Sons, Ltd.
Quelch, H. O., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mfg. Co., Ltd.
Warriok Bros.
West, T., & Son

PESSARIES

Burge, Warren & Ridgley
Rendell, W. J.

PETROLEUM JELLY

Chesebrough Mfg. Co.
Schliemann's Oil & Ceresine Co.

PHOTO. CHEMICALS

Boehring, C. F., & Soehne
Merck, E.
Reitmeyer & Co.

PHOTO. ENLARGERS, PRINTERS, &c.

Done, John
Express Developing Co.
Halifax Photographic Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Darton, F., & Co.
Evans Sons Lescher & Webb, Ltd.
Halifax Photographic Co.
Ilford, Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Reitmeyer & Co.

ILL COUNTERS

Bornkessel, F. G.

PILL MAKERS

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.

PLASTERS

Alcock Mfg. Co.
Berliner, Arthur
Beiersdorf, F., & Co.
Dalmas, A. de St., & Co.
Geiger & Braun
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.

PLEATED PAPER

Darter, Wilkinson & Co.

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.

PROPRIETARY ARTICLES

Anglo-American Drug Co.
Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Bayer Co., Ltd.
Beecham, T.
Box, W. H.
British Drug Houses, Ltd.
British Liquezone Co.
Burgess, E.
Capsuloids (1909), Ltd.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.
Cox, A. H., & Co., Ltd.
Daggett & Ramsdell
Daisy, Ltd.
Danyasz Virus, Ltd.
Da Silva & Co.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Denoual, J., & Co.
Ecosolent Compounds, Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, O. E., Ltd.
Goodall, Backhouse & Co.
Harvey & Co. (Dublin), Ltd.
Henry, T. & W.
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Gesellschaft.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Karo Mfg. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lofthouse & Salmer
Lorimer & Co., Ltd.
Martindale, W.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Owbridge, W. T., Ltd.
Padezy Co.
Phillips, Chas. H., Chem. Co.
Reitmeyer & Co.
Resinol Chemical Co.
Sangers'
Sartolin, Ltd.
Schimmel & Co.
Scott & Bowne, Ltd.
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thompson & Capper
Tomoda, K., & Co.
Tunbridge & Wright
Voss & Co.
Walker & Son
Wilcox, Jozeau & Co.
Zimmermann, A. & M.
Zimmermann, C., & Co.
Zotos, Ltd.
(See also DENTRIFICES and TOILET ARTICLES)

POTASH

Neues Kalisyndikat

PRINTERS

Christie, Malcolm & Co.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Smith, W. H., & Son
Timme, W. O., & Co.
Townsend, J., & Sons

PULVELLÆ

Warriok Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Boehring, C. F., & Soehne
Howards & Sons, Ltd.
Pointet & Girard

RAZORS

Auto-Strop Safety Razor Co.
Hovenden, R., & Sons, Ltd.
International Distributing Co.

RENNET

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESINS AND RESINOLIDS

Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Burge, Warren & Ridgley, Ltd.
Daval Rubber Co.
Dunlop Rubber Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Galen Mfg. Co.
Hanover Rubber Co.
Hasting, Lang & Co., Ltd.
Haywood, J. H., Ltd.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Shirley Bros., Ltd.
Warne, W., & Co., Ltd.

RUBBER SPONGES

Hanover Rubber Co.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.
Shamer, Dr. R.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCALES, WEIGHING

Maw, S., Son & Sons
Parnall & Sons, Ltd.
Southall Bros. & Barclay, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SEEDS

Brook, Parker & Co., Ltd.
Conway, Wm., & Sons, Ltd.
Potter & Clarke, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.
American Animal Therapy Co.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.

SHARES

McAdam & Tuckniss

SHEEP-DIPS

Acme Chemical Co., Ltd.
Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.
Bowlton & Son
Evans Sons Lescher & Webb, Ltd.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.

SOAP MATERIALS

Armour & Co., Ltd.
Chris, Antoine

SOAPS, MEDICATED

Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. O., & Co.
Fulford, C. E., Ltd.
Lambert Pharmacal Co.
Resinol Chemical Co.
Wright Layman & Umney

SODIUM BICARBONATE

Bruxner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.

SOAP PLANT

Forshaw, E., & Son, Ltd.

SOAPS

Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ltd.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmio Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hull Oil Mfg. Co., Ltd.
International Distributing Co.
John Strange Winter
Lactoline Co.
Lescol Perfumery Co.
Oakley, J., & Son, Ltd.
Pears, A. & F., Ltd.
Peats Products (Sphagnol), Ltd.
Price's Patent Candle Co.
Shaw, Henry, & Co.
Wright, Layman & Umney

SODA FOUNTAINS

Consol Automatic Aerators, Ltd.

SOOTHERS & FITTINGS

Hasting, Lang & Co., Ltd.
Shirley Bros., Ltd.

SOYA OIL

Hull Oil Mfg. Co.

SPARKLETS

Aerators, Ltd.

SPECTACLES

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.

SPHYGMOMETERS

Hicks, J. J.

SPINAL CARRIAGES

Ellmore, W. T., & Son, Ltd.

SPIRIT OF WINE

Burroughs, J., Ltd.
Preston's Liverpool Distillery

SPONGE BAGS

Maw, S., Son & Sons
Schutze, F., & Co.
Toogood, W., Ltd.

SPONGES

Internl. Sponge Importers
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Sangers'

SPRAYS

Burge, Warren & Ridgley, Ltd.
Burt, Boulton & Haywood, Ltd.
Daval Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Reuter, R. J.

SPRINKLER TOPS

Betts & Co., Ltd.
Brooks, Peel & Co.

STARCH

Mumford, G. S., & Sons

STILLS

Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.

SURGICAL APPLIANCES

Allen & Hanburys, Ltd.
Bailey, W. H., & Son
Burroughs Wellcome & Co.
Haywood, J. H., Ltd.
Hughes, G.
Hutchinson Co.
Maw, S., Son & Sons
Quelch, H. O., & Co.
Surgical Hosiery Co., Ltd.
Wood, Vincent
Warne, W., & Co., Ltd.

STOPPERS

Fletcher, Fletcher & Co.
Stipendum Stopper Co.

SUPPOSITORIES

Cox, Arthur H., & Co.
Peat Products (Sphagnol), Ltd.

SUSPENSORY BANDAGES

Bailey, W. H., & Son

SWIMMING FLOATS

Schutze, F., & Co.

SYNTHETIC PERFUMES

Bennett Bros.
Boehring, C. F., & Soehne
Bush, W. J., & Co., Ltd.
Chuit, Naef & Co.
Compagnie Morana
Fuerst Bros.
Mallmann, W.
Murray, O., & Co., Ltd.
Reitmeyer & Co.

SURGICAL DRESSINGS

Beiersdorf, P., & Co.
 Berliner, Arthur
 Burroughs Wellcome & Co.
 Bush, H. W., & Co., Ltd.
 Dalmas, A. de St., & Co.
 Galen Mfg. Co., Ltd.
 Gimber, W., & Son
 Haynes, G., & Co.
 Leslie, Ltd.
 Liverpool Lint Co.
 Maofarlan, J. F., & Co.
 Maw, S., Son & Sons
 May, Roberts & Co., Ltd.
 Newsome, O.
 Robinson & Sons, Ltd.
 Taylor, W. G.
 Thermogene Co., Ltd.
 Vernon & Co., Ltd.
 Wood, Vincent
 Woolley, J., Sons & Co., Ltd.

SYNTHETIC REMEDIES

Boehringer, O. F., & Soehne
 Boehringer, O. H., Sohn
 Hoffmann-La Roche, Ltd.
 Reitmeyer & Co.
 Wolfensberger, J. H., & Co.
SYMPHONS
 Aerators, Ltd.
 Barnett & Foster
 Brecht, E., & Co., Ltd.
 Camwal, Ltd.
 Hygienic Syphon Co. (1910), Ltd.
 Idris & Co., Ltd.

SYRINGS (PATENT)

Hughes, G.

TABLET MACHINERY

Allen & Hanburys, Ltd.
 Thompson & Capper

TABLOID PRODUCTS

Burroughs Wellcome & Co.

TAPES, GUMMED PAPER

Gosheron, John, & Co.

TARTARIC ACID

British Drug Houses, Ltd.
 Boehringer, C. H., Sohn
 Fierst Bros.

TELESOPES

Darton, F., & Co.

TOBACCO MAKERS

Goodall, Backhouse & Co.
 Huntley, Boorne & Stevens

TOOTH STOPPING

Stevens, P. A.

TABLETS, COMPRESSED

Allen & Hanburys, Ltd.
 Asohe, C. F., & Co.
 Bishop, Alfred, Ltd.
 British Drug Houses, Ltd.
 Cartwright, W. B., Ltd.
 Cox, A. H., & Co., Ltd.
 Davies, Sons & Co.
 Duncan, Flockhart & Co.
 Evans Sons Lescher & Webb, Ltd.
 Howards & Sons, Ltd.
 Jackson, E. E.
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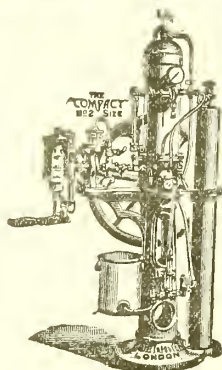
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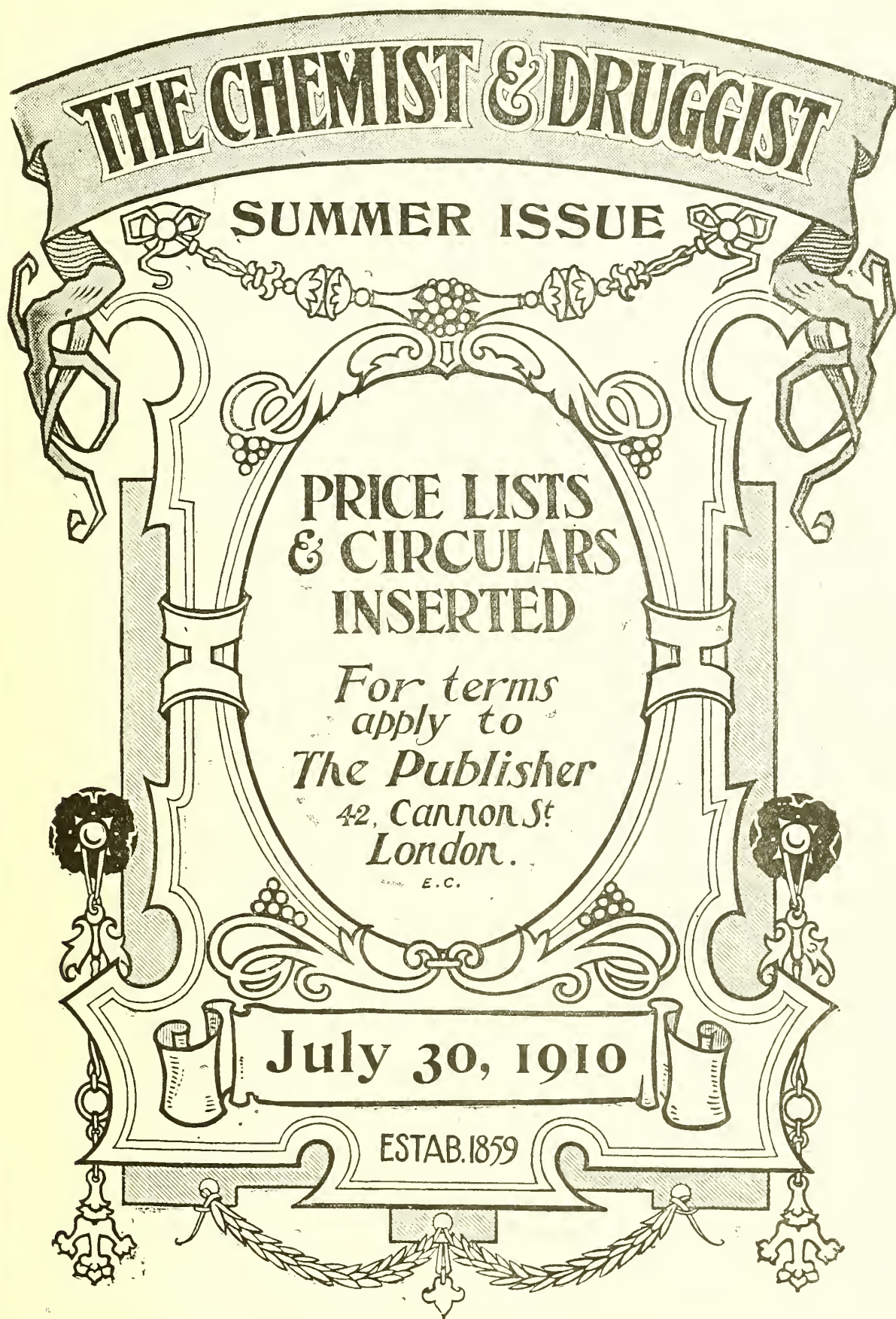


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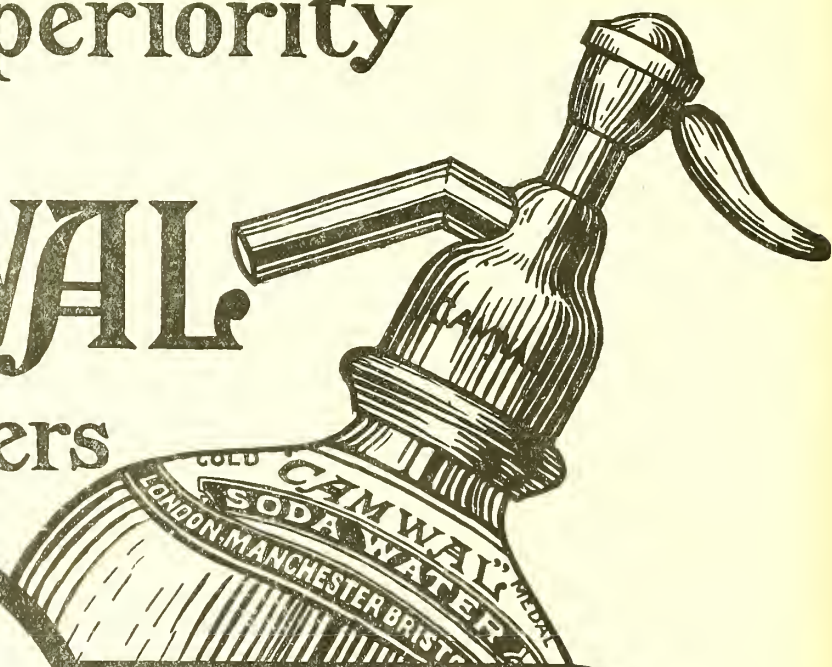
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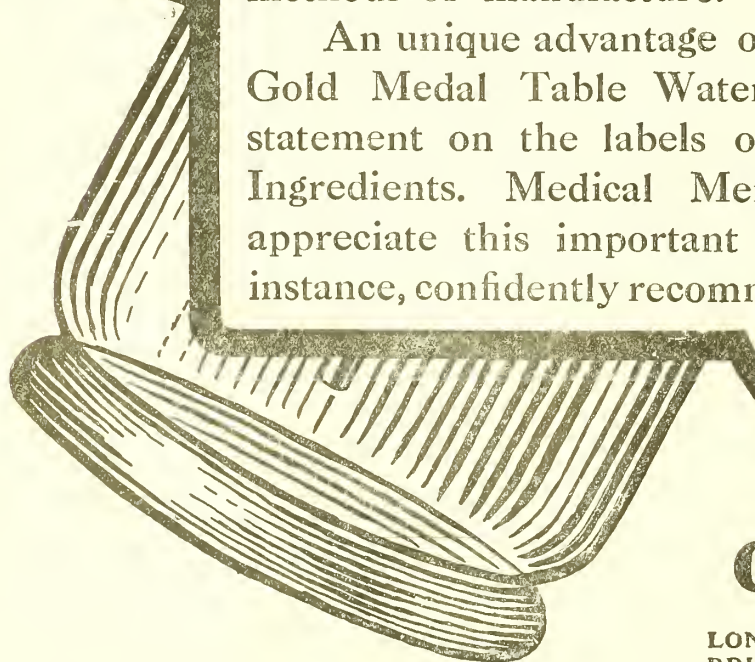
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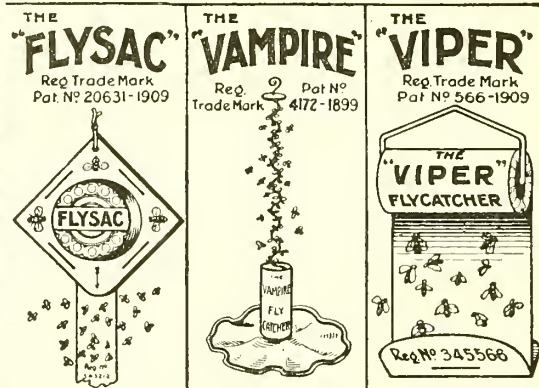
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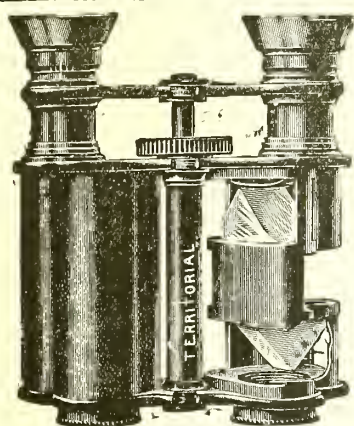
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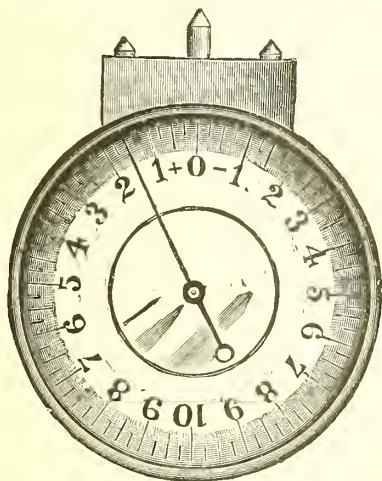


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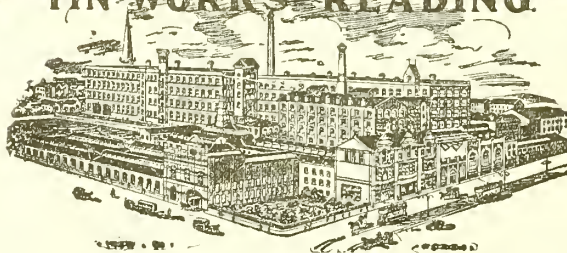
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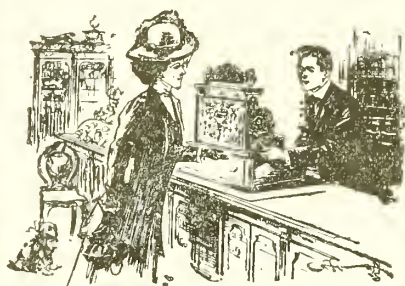
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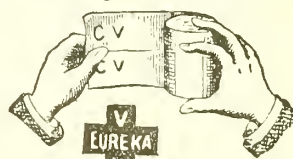
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THE BANDAGE OF THE FUTURE

in cases of Varicose Veins, Sprains or Abdominal Binding, &c.
NO OTHER will be worn or asked for.

Prices per doz. Bandages, Widths: 2 2 1/2 3 4 5 6 8 11 ins.
Best Quality ... 12/- 15/- 18/- 36/- 54/-
2nd ... 9/- 12/- 15/-

Send for Price List of Trusses, Belts, Hot Water Bottles, Elastic Stockings, Sponge Bags, Bathing Caps, &c.
4 ALBION PLACE, Blackfriars Bridge, LONDON, S.E.

Every Genuine Bandage must have "Eureka" on Wrapper.

Customers can have their own names on Wrappers and Circulars.

VERNON & CO. LTD.

Penwortham Mills, PRESTON,

MANUFACTURERS OF

**ABSORBENT LINTS,
COTTON WOOLS,
GAUZE TISSUE,
SANITARY TOWELS, &c.**

We spin the yarns from the raw material, weave the cloth, bleach, raise, and finish on our own premises.

* * * * *

ASTOUNDING VALUE

IN DISPENSING AND GREEN PANEL

BOTTLES!

For Cash Buyers only.

6 & 8 oz.	3 & 4 oz.	2 oz.	Dispensing, per gross net, cash with order.
7/-	6/-	5/9	

Plain or Graduated. Other Sizes at proportionate prices.
Green Panels, 1/- gross extra.
6 Gross Assorted Crates Carriage Paid to Station within
100 miles of Leeds. Crates 1/- each.
THOMAS SWALES, Druggists' 24 Butt's Court, Sundryman, LEEDS.

* * * * *

A STRAIGHT TALK FROM THE GALVANIT CO.

Some Profit-Making Suggestions.

Some time ago we were called to account by the Trade for not making sufficient provision of stock to meet the demand we created for "Galvanit."

We replied that the fault was entirely on the part of the Trade. We duly notified the Trade of the advent of "Galvanit," and the arrangements made for its extensive Press advertising. With a few notable exceptions our Trade notice was received with the utmost indifference, and we were called upon to supply retail orders to an extent that completely disorganised our capacity.

We were then accused of attempting to secure direct trade.

ANOTHER COMPLAINT.

We now have another complaint against the Trade.

The Public write to us on many points with which the Trade should be able to deal. It is to the interest of the Trade to do so. The Public cannot be blamed for preferring to deal with those who evince a desire to serve their interests.

In every case where the Trader is taking an intelligent technical interest in the exploitation and explanation of the "Galvanit" process of plating, proportionately larger and more profitable sales ensue.

SALES-MAKING WINDOW BILLS AND SHOWCARDS.

Many London Traders make a window and counter show of "Galvanit." The exhibition of window bills and showcards enables the Trader to reap personal profit from the bold Press advertising of "Galvanit" in the London daily newspapers.

Send for a supply of "Galvanit" Window Bills and Showcards—and secure a larger share of sales created by this Press advertising.

LOCAL "GALVANIT" DEMONSTRATIONS.

Arrangements are now being made to give Store and Shop Demonstrations in all parts of the country to show the Public that "Galvanit" does all that it is claimed to do.

These Demonstrations sell *thousands* of tins of "Galvanit."

Write for early dates for a Demonstration on your premises.

THE KEEN INTEREST OF THE PUBLIC.

The way in which the Public thronged the recent London Demonstrations at Gamage's, Whiteley's, Benetfink's, and elsewhere, shows the extraordinary interest of the Public in "Galvanit," and it is this huge Public interest which creates a continuing opportunity of profit for the enterprising and businesslike trader.

The Trader who would like information on any point in the new "Galvanit" process which will enable him to reap a larger harvest of profit on a line which has perhaps never been equalled as a quick, big and continuous seller is cordially invited to write (or call) for information.

IMPORTANT NOTICE.

COPPER "Galvanit" *will be ready next week.*

Order now—to-day—and secure first deliveries and large sales. **Copper** "Galvanit" will be boldly advertised.

All wholesalers can now supply **Silver, Nickel, Cadmium and Tin** "Galvanit" from stock.

THE GALVANIT MFG. CO. 6 & 7 George St. **LONDON, W.**
Hanover Square,

The MYSANTAL PREPARATIONS



show the retailer not only a good profit, but if bought on window-show terms make 50 per cent. If you are not buying on these terms you should commence now.

Stock **MYSANTAL** and you will gather new Customers.

If you have any difficulty in obtaining the exact **MYSANTAL** article your customer requires, write to us direct; we will promptly attend to your orders.

Write for particulars to—
The MYSANTAL CO., 55 Berners Street, LONDON, W.

May Queen

POWDERED TOILET SOAP.
 DELICATELY PERFUMED.

Packed in Prettily Decorated Sprinklers.

*Certified by D. A. B. Griffiths of London Public Analyst
 as the VERY BEST TOILET SOAP, Antiseptic, Disinfectant & Hygienic.*

Write for Sample Tin to **HENRY SHAW & CO DUKINFIELD.**

COURVOISIER'S

CONCENTRATED C.C. PERFUMES

(WITHOUT SPIRIT).



When purchasing, mention C.C., with the name of the Perfume.

VIOTTO, C.C.
HAVANITA, C.C.
LILY OF THE VALLEY, C.C.
ROSE, C.C.

30/- per doz. nett.
 3/9 per vial retail.



Actual Size of Vial

A tiny vial, yet containing more essence than an ordinary bottle of perfume at a higher price.

A ready selling line backed by advertising and giving entire satisfaction to the purchaser.

Entered on the P.A.T.A.

A STRONG SELLING ARGUMENT.
 Courvoisier's C.C. Perfumes contain no spirits, therefore they, and incidentally the purchaser, pay no spirit duty.

Of your Wholesaler, or direct from—
H. BRONNLEY & CO. Ltd.
 ACTON VALE, LONDON, W.

Health Salts




In Patent Air - tight Lever Lid Tins.

{ 4 oz. ...	3/-	per doz.
{ 6 doz. ...	2/9	„
{ 8 oz. ...	4/9	„
{ 6 doz. ...	4/6	„

Special Quotations for quantities.

Tin Closed, with Lever Lid Off.

Tin Open, with Lever Lid Off and Inner Disc Cut Open.

This is the only Tin that will keep the contents in good condition from season to season; indispensable for Export. The Tin is filled from the bottom and closed, and until cut open by the consumer is absolutely air-tight.

ORDINARY SALINE TINS.
STOCK DESIGNS.

X41. Fruit Design	X28. Ship Design	} 10/- per gross.
X227. Neat Plain Design in Colours		

Filled, 2/9 per dozen.

WHITECROSS Liver Salt, in decorated Tins, 2/9 per doz.
Blood Salts, ... 2/9 „
Ogden's Hygeia Salts, in Oblong Lever Tins, 3/- „

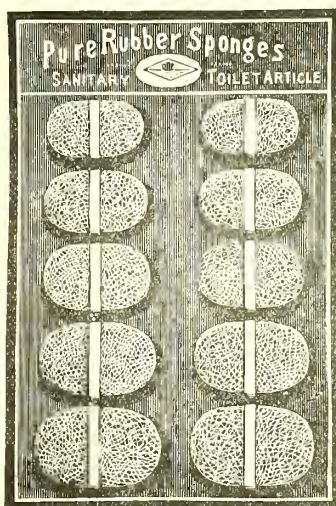
SHIRLEY BROTHERS, LTD.
 Whitecross Works, LONDON, S.E., and MANCHESTER.

Best Value!

LIGHT
COLOUR!

DURABLE.

LAST
LONGER
THAN
ANY
OTHER!



ALL
SHAPES
MADE.

Write
for
Complete
Illustrated
List.

A large selection of Sponge Rubber Articles,
Massage Straps, Pads, Gloves, Bath Mats,
&c., &c.

MANUFACTURED AND STOCKED BY

The HANOVER RUBBER Co.
29/31 OLD STREET, LONDON, E.C.

Samuel O'Neill & Sons, Ltd.

CASTLETON, Near MANCHESTER.

MAKERS OF

TOILET ROLLS.

Patentees and Makers of Paper Tubes for
Flax, Cotton, Woollen, Worsted & Silk Spinners,
Winders, &c.



NEWBRO'S HERPICIDE

The ORIGINAL remedy that kills the dandruff germ.

This wonderful Hair-Saver acts by destroying the germ or microbe that causes dandruff, itching scalp and falling hair, after which the hair resumes its abundant growth and beauty as nature intended. Extraordinary results follow the intelligent use of Herpicide. Sold in all civilised countries.

Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

Manufactured by THE HERPICIDE COMPANY, Detroit, Michigan, U.S.A.

TRADE SUPPLIED BY

THE AMERICAN DRUG STORES THOMAS CHRISTY & COMPANY

Wholesale and Retail

C. BROOKS, M.P.S., Chemist and Druggist,
4 Northumberland Av., W.C.; Craven House,
Kingsway, W.C.; and 26 Cranbourn St., W.C.

4, 10 & 12 Old Swan Lane,
Upper Thames Street, E.C.

PRICES

Retail 4/- per bottle.

Wholesale 33/- per dozen.

in lots of 3 dozen, 5 % discount.

TRY IT IN YOUR BATH

BY APPOINTMENT



TO H.M. THE KING.

SCRUBB'S AMMONIA

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath.

Splendid Cleansing Preparation for the Hair.

Alays the Irritation caused by Mosquito Bites.

Restores the Colour to Carpets.

Invaluable for Toilet Purposes.

Removes Stains and Grease Spots from Clothing.

Invigorating in Hot Climates.

Cleans Plate and Jewellery.

Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

PAPIER POUDRE

REGISTERED



PAPIER POUDRÉ, LTD.,
23, Somerset Street, London, W.,
and in Paris.

POWDER IN BOOK FORM WITHOUT A PUFF.

The Original PAPIER POUDRÉ in Dainty Books.

		per doz. net.
Papier Poudré, 3/4 l. size	White, Rose, or Rachel,	2/6
" " 4 1/2 l. size	Scented or Unscented.	3/9
" " 6 l. size		7/6
" " 1/- size		3/9
Papier Poudré Shaving Pads, 6 l. size (White)		7/6
1/- Mirror Cases, containing Pad of Papier Poudre...		2/-
3d. Refills for Mirror Case ...		

Special Prices to Wholesalers and Shippers.

TRADE

MARKS.



"LEHCARESOR."

Papier Poudre

CAUTION.

In the Civil Tribunal of the Seine, on April 1st, 1909, after protracted litigation, an injunction was obtained against a Paris House for an infringement of these Trade Marks, full costs and damages being then awarded to PAPIER POUDRÉ, LIMITED.

**RESOLUTELY REFUSE ALL
SUBSTITUTES.**

NONE GENUINE WITHOUT OUR TRADE MARKS.

Price List on application to—

PAPIER POUDRÉ, LIMITED, 23 Somerset St., LONDON, W.

OVER 100% PROFIT
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz.,
1/6	1/6	9/-	less 5%
2/6	2/3	15/-	discount.
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,
DEVON WHARF,
Emmott Street, Mile End, London, E.

DAGGETT & RAMSDELL'S PERFECT COLD CREAM.

"The kind that keeps."



The most delightful of all toilet accessories. Known and renowned in every country where daintiness of the toilet is recognised as a mark of refinement. Its popularity is due to its unvarying quality, its absolute purity and the fact that it

NEVER BECOMES RANCID.

Different from and superior to all other cold creams. Not affected by heat, cold or climatic changes. Retains to the last its snowy whiteness, delicate perfume and wonderful properties which have given it international fame.

OBTAINABLE FROM ALL WHOLESALE HOUSES.

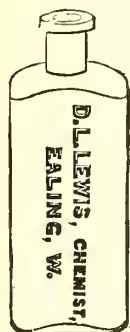
Made only by
DAGGETT & RAMSDELL,
Manufacturing Chemists,
17 Charterhouse Buildings, Goswell Rd.
LONDON, E.C.

Telegraphic Address—
"ELEVEN LONDON."

MAW'S

Telephone No.—
LONDON WALL 3230 (4 lines).

DISPENSING BOTTLES.



DISPENSING.
Fig. 1273.



OVAL.
Fig. 1274.



DIRECT SQUARE.
Fig. 1275.

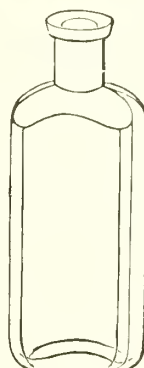
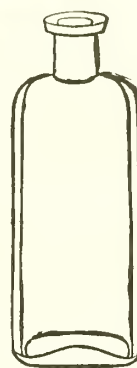


Fig. 1276.



OVAL-FRONTED
FLAT.

Prices in Crates of 6 to 8 Gross. CRATES FREE.

Not less than 1 gross of a size and graduation, 2 to 8 ounces.

EXPORT PACKAGES CHARGED AT NET COST F.O.B.

GREEN FLINT, **MAW'S**, WITH TRADE MARK—



SUPER

2	3 & 4	6 & 8	10	12	16	20	24	32	40	OUNCE.
11/3	13/-	14/3	22/-	22/-	26/6	32/9	39/-	52/9	59/-	PER GROSS.

GREEN FLINT, **MAW'S**, WITH TRADE MARK—



2	3 & 4	6 & 8	10	12	16	20	24	32	40	OUNCE.
7/6	8/10	9/6	14/-	15/-	19/6	22/-	28/-	32/-	38/-	PER GROSS.

QUININE TINT, **MAW'S**, WITH TRADE MARK—



3	4	6	8	10	12	16	20	OUNCE.
10/10	10/10	11/6	12/-	16/-	18/9	23/6	27/-	PER GROSS.

Prices ex Warehouse.

GREEN FLINT, **MAW'S**, WITH TRADE MARK—



SUPER

2	3 & 4	6 & 8	10	12	16	20	24	32	40	OUNCE.
11/4	13/3	14/9	22/6	22/6	27/6	33/9	40/-	54/9	61/-	PER GROSS.

GREEN FLINT, **MAW'S**, WITH TRADE MARK—



2	3 & 4	6 & 8	10	12	16	20	24	32	40	OUNCE.
7/10	9/2	10/-	14/6	16/-	20/6	23/-	29/-	33/-	40/-	PER GROSS.

VIALS, WHITE MOULDED, GOOD QUALITY.

Long, Medium, Short or Round Shouldered.

2-dr.	1/2-oz.	1-oz.	1 1/2-oz.	2-oz.	3-oz.	4-oz.
4/-	4/4	4/7	5/8	6/2	8/2	8/8

Usual Discount.

S. MAW, SON & SONS, 7-12 ALDERSGATE STREET, LONDON, E.C.

ON THE P.A.T.A. LIST

☐ In consequence of extensive advertising in the best London and Provincial Journals, coupled with its magnificent and unvarying quality, and the further fact that it is widely and regularly prescribed by the medical profession



SCOTT'S

EMULSION



☐ Sells quickly.

☐ All you have to do is to hand out the bottle and take in the money.

☐ More than that, people's experience of the first bottle prompts them to come to you again, so that every bottle sold promises the sale of more bottles. Once a customer, always a customer where Scott's is concerned.

Your stock will never be left long on your shelves—it is for you to see that you keep pace with the demand.

TRADE
MARK

SCOTT & BOWNE, Ltd. 10-11 Stonecutter Street, London, E.C.

BOXES

ESTABLISHED
1839
ESTABLISHED

ROUND, OVAL, SQUARE, or FOLDING, for the
DRUG, DRYSALTERY, AND CONFECTIONERY TRADES.

LABELS, WHEN PRINTED TO OUR INSTRUCTIONS, WE PUT ON PILL
AND OTHER BOXES FREE OF CHARGE.

BOXES AND CASES FOR

Baking Powder, Black Lead Bottles, Camphor Ball, Capsules, Castor Oil, Cough Lozenges, Dispensing Powder, Eye Ointment, Fancy Boxes, Fullers' Earth, Folding Boxes, Glass Top Outers, Homœopathic Bottles, Insect Powders, Ink Cases, Jewellery, Lozenge, Lip Salve, Magnesia, Metal Paste, Marking Ink, Nipple Shields, Night Lights, Parcel Post, Pastilles, Pills, Potash Tablets, Plasters, Salt Lemon, Seidlitz Powder, Starch Gloss, Soaps, Soda Powder, Syringes, Tapers, Tooth Powder, Violet Powder, &c.

ROBINSON & SONS, LIM., WHEATBRIDGE MILLS,
AND HOLMBROOK WORKS, **CHESTERFIELD,**

And 55 FANN STREET, ALDERSGATE STREET, LONDON.

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FOR ALL PRELIMINARIES.
MEDICAL, PHARMACEUTICAL, DENTAL, VETERINARY, ETC.

My system of Coaching by Correspondence is conducted on entirely different lines from any at present in existence. After receiving a set of papers, the student is not left entirely to his own resources, but every possible effort is made to assist him in overcoming difficulties.

A recently successful student writes:—"Sept. 29th, 1909. I have great pleasure in informing you of my success. Correspondence tuition for the Prelim. is evidently your speciality *par excellence*."

Terms very moderate. For further particulars apply to

CHARLES HARKER, 239 CHAPTER ROAD, CRICKLEWOOD, LONDON, N.W.

COCKROACHES CLEARED WITH BLATTIS, THE UNION PASTE.

Guaranteed by E. Howarth, F.Z.S., who destroyed plague of them at Sheffield Workhouse in 1896.

Supplied by order to His Majesty the King at Sandringham.

Recommended by Dr. H. Woodward, F.R.S.; Canon Kinton Jacques, R.D.; Mrs. Earle in "Pot Pourri" and all Ladies' Papers, Cookery Books, &c.

Wholesale Agents: F. Newbery and Sons, 27 Charterhouse Square, London, E.C.; Evans Sons Lescher and Webb, Ltd., 56 Hanover St., Liverpool, and 60 Bartholomew Close, London, E.C., and John Thompson, Ltd., 58 Hanover St., Liverpool.

Retail Agents: Butler and Crispe, 82 Clerkenwell Rd., London, E.C.; R. Hovenden and Sons, Ltd., 29, 30, 31, 32, and 33 Berners St., Oxford St., London, W.

HOWARTH & FAIR, 471 Cрукesmoor Road., Sheffield.

BERGAMOT synthetic "Cebe" (new)
GERANIUM synthetic "Cebe" (new)
IRISINE (Violet) 100% chem. pure
MUSK AMBRA, 100% 'Cebe' large crystals
NEROLI synth. "Cebe" (new) (1)

Chemical Works, Brugg, BRUGG (Switzerland), Ltd.

Manufacturers of Artificial and Synthetic Perfumes and Terpeneless Essential Oils.

SOLE AGENTS FOR U.K.:

BENNETT Bros., 74 Coleman Street, LONDON, E.C.
Phone: 5562 London Wall. Telegrams: "Ac din London."

ESTABLISHED NEARLY 100 YEARS.

SAMUEL FRANCESCO de PASQUALE & FRATELLI, MESSINA.

"GREEN STAR BRAND"**LEMON**

Sesqui Terpeneless—Terpeneless

Genuine "Gold Label." } Guaranteed B.P.

Standard "Silver Label." } for Commercial use.

BERGAMOT, 37/39 % Ester.

ORANGE, Sweet, Bitter and Terpeneless.

CONTRACTS BOOKED FOR DELIVERY AS REQUIRED DURING THE YEAR.

Stock kept in London. Samples and special quotations from the Sole Agents:—

A. & M. ZIMMERMANN, SUTHERLAND HOUSE, 3 LLOYDS AVENUE, LONDON, E.C.

ÆSCULAPIUS

TALKS—No. 11

Absolutely **THE SAFEST**—that's another important point about the self fixing and time saving

VISCOSE BOTTLE CAPS

Safest because the cork stopper or sprinkler cannot move, safest because the cap cannot come unfastened, safest because non-inflammable, safest because quite air- and spirit tight, safest because strongest, safest because they resist oils, fats, spirits, and dilute acids. The free booklet gives full particulars, illustrations and prices. Send for a free copy at once.

VISCOSE DEVELOPMENT CO. Ltd.

11 Queen Victoria Street, London, E.C.



S. & H.

Your name can be printed on your Corks in any color.

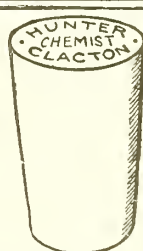
THE COST IS TRIFLING.

Full particulars, sample and price list of all Chemists' Corks free on application.

N. W. MITCHELL & SONS, LTD.

CORK MANUFACTURERS,

"BOUCHON" WORKS, 15-17 Farnance Street, Limehouse, LONDON, E.



We offer advantages in

Corn Plasters

— IN —

Quality,
Variety,
Style, &
Price.

TRY US!

and Quotations with Samples will be submitted.

State your Requirements

7 & 8
IDOL LANE,

P. Beiersdorf & Co., London, E.C.

FREDK. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES: Gums Arabic and Tragacanth as imported or finely powdered—Dextrine, Camomiles, Honey. Waxes of all kinds for Boot Polishes, &c.

THE RAT WAR!!!
FARMER'S "BAITED" PHOSPHOR PASTE
 TO THE FRONT.

well.
 Good Profits.

FULL PRICES, viz.:—3d., 6d., 1s., obtained at 1s. 5d., 2s. 10d., 5s. 8d. dozen.

ONCE USED, ALWAYS.


AGENTS: May, Roberts & Co., Barclays, Edwards, Sangers, Butler & Cris e.
 W. Sutton & Co., Hovendens, Burgoyne, Burbridge, & Evans Sons Lescher &
 Webb. Sole Proprietors—

F. FARMER & CO., Works 1a College Lane, Homerton, London, N.E. (for Home & Export).

Please try a dozen of each size
 from your Wholesale House.

Mixed perfectly
 by special process

Dr. Stedman's Teething Powders

1/1¹/₂ size 2/9 4/6 11/-
 6/6 doz. 18/- doz. 34/- doz. 120/- doz.
 Discount 5 per cent. on £10 worth for cash.
 Showcards on Application.

TRADE MARK 125 NEW NORTH ROAD, LONDON, W.

**BATHING CAPS,
 SPONGE BAGS,
 RUBBER SPONGES,
 &c.**

Right Quality, Right Price.
 WILL YOU PLEASE WRITE
 FOR PRICE LIST.

JAMES TOMPKINS, LTD.
 Rubber Warehouse,
 386 CITY ROAD, LONDON, E.C.

LYLA Head Ointment FOR CHILDREN'S HAIR
 (LYLE'S RED CROSS).

One of the best Mothers' Helps on the Market. Destroys
 all Vermin in the Hair. Most satisfactory and reliable.
 Highly recommended. Prices 4d. and 2d.
 Sold by Chemists only. Excellent profit to Retailers.
 Terms (Wholesale and Retail) from the Proprietors:—

LYLE & CO., Wholesale Chemists, BERWICK-ON-TWEED.

**ECSÖLENT COMPOUND
 ECSÖLENT POWDER
 ECSÖLENT SOAP**

WHOLESALE FROM

Ecsölent Compounds, Limited,
 Saracen Buildings, Snow Hill, LONDON, E.C.

FANCY BOXES.

We are Makers of Perfumery
 and Soap Boxes, Cartons, &c.

Get our prices before placing your orders. Address:

PATERSON, MITCHELL & DAWSON
 Spring Gardens, ABERDEEN.

**MEDICINAL & VETERINARY CAPSULES
 & GELATINE-COATED HORSE BALLS.**

Complete Price List on application.

MAWSON & CO., 213 High Road, Streatham,
 Telephone No. 816 Streatham. LONDON.

PRECIPITATED CHALK.

LIGHTEST, WHITEST AND PUREST QUALITIES
 To suit all purposes.

APPLY TO—

AUG. LEVERMORE & CO., LTD., 8/10, Gt. St. Helens,
 London, E.C.

TELEGRAMS: LEVERMORE, LONDON. TELEPHONE: 4613 CENTRAL.

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G. VAN ABBOTT & SONS, London, S.E.

Manufacture all foods for above.

Established 1859.

Tel: 17010 Central.

Telegraphic Address: "Glutens London."

DIABETIC FOODS

and GLUTEN PRODUCTS for EXPORT.

CALLARD & CO., 74 Regent St., LONDON.

TOBACCOS! CIGARS! CIGARETTES!

Every known Brand at Manufacturer's own List
 Prices. Endless variety of Tobacconists' Fancy
 Goods & Shop Fittings. The Trade only supplied.
 Opening orders a Speciality. Send for Price List.

SINGLETON & COLE, Ltd., Cannon Street, BIRMINGHAM,
 AND BRANCHES

DENTISTRY

First-Class Mechanical, from Models or Impressions.

Lowest Prices. Price List Free. Correspondence Solicited.

H. E. CULLWICK, Dental Manufacturer,

163 NORTH STREET, WOLVERHAMPTON.

PHOTOGRAPHIC DEALERS,

Send your DEVELOPING, PRINTING,
 — and SUNDRY WORK to —

JOHN DONE, New Barnet, nr. London, N.

ESTD 1872.

STILL UP TO DATE.

KRUSCHEN SALTS,

produced by evaporation from the celebrated mineral springs. A perfect diuretic
 aperient for the treatment of Rheumatism, Gout, Constipation and Inactive Liver.

Liebig's Analysis: Soda Sulph., Soda Chlorid., Soda Phosph.

Magnes. Sulph., Magnes. Chlorid., Potas. Sulph., Potas. Chlorid.

Minimum Retail Price, 1/6. Wholesale, 13/6 per doz. net.

Carriage Paid. P.A.T.A. conditions.

E. GRIFFITHS HUGHES, Chemist,
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First - Class Mechanical Dentistry.

Reliable workmanship. Popular prices. Moderate charges for gold,
 D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Ash's
 and D.M.Co. Teeth and Rubber guaranteed. Punctuality strictly
 observed. List free. Trial case solicited. Gold and D.A. work a
 speciality. Special cheap rates for show case pieces. 16 years' ex-
 perience of first-class mechanical dentistry.

E. O. HALDER, 48 New Cross Road, LONDON, S.E.

DENTISTRY

(Mechanical.)

**EXPERT WORKMANSHIP. PROMPT SERVICE.
POPULAR PRICES. GUARANTEED MATERIALS.****"Dentistry for Chemists" post free. "Everyday Dentistry," 3/6.
F. C. WARDALE & CO., 132 High Street North, East Ham.
Tel. No. East Ham 174. Tel. Address "Eladraw London."****TO LET.****ARTIFICIAL TEETH****FROM MODELS OR IMPRESSIONS.****FRED. H. BARKER, Dentist to the Profession,****The only address: 4 Town Hall Street, GRIMSBY.**

Revised Price List free.

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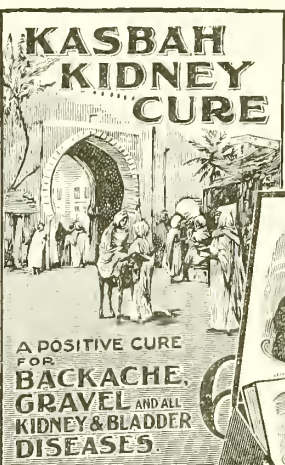
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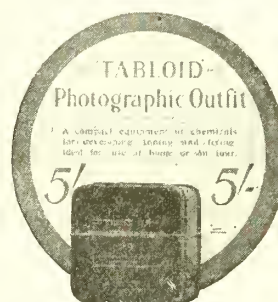
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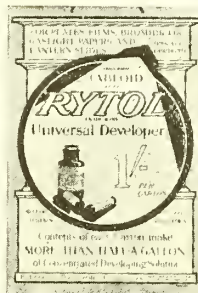
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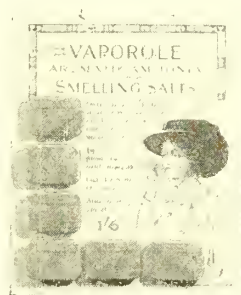
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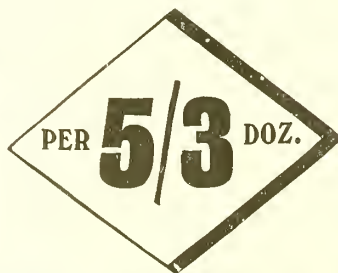


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OF THE CHEMIST AND DRUGGIST is the most effective and, in many cases, the only means of placing the goods of firms connected with chemical industry, pharmacy, and allied trades directly before responsible buyers abroad. The Colonial issue is to be published next week, and the Publisher states he cannot guarantee the insertion of any advertisement in the ordinary pages which is received after *Tuesday, April 19*. Business houses (manufacturers, agents, and wholesalers) who find that THE CHEMIST AND DRUGGIST interests them have in his fact an indication that the goods they have to sell will interest Colonial readers, and next week's issue is an exceptionally good opportunity of advertising them. Secure space at once by application to the Publisher.

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Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

Read the paragraph *re* methylated preparations on p. 46.

Formulas are numerous in this issue. See p. 45, p. 51, p. 53, and pp. 63-4.

A Minor candidate who passed on Monday tells how he did it (p. 54).

A fuller epitome on the quarter's export and import trade is given on p. 49.

There is good and profitable business for chemists in bird-seed. Hints are given in an article on p. 52.

"Things to use" placed in one's shop-window attract buyers. A photo and notes are given on p. 52.

Mr. E. J. Parry's communication on the British Pharmacopœia as a standard is further discussed (p. 60).

In our report of the Manchester Optical Society are good hints on the correction of awkward optical cases (p. 56).

Sesame oil is becoming more recognised officially as a galenical substitute for olive oil. Mr. G. P. Forrester gives examples on p. 51.

Olive-oil adulteration continues, and its suppression is taking a novel turn. See the case reported on p. 39 and our observation on p. 50.

We print detailed information regarding the use of carbonic-acid gas as a caustic (p. 53). A lecture on the gas and its uses is epitomised on p. 56.

Pharmaceutical words in the new part of the "Oxford English Dictionary" is one of the most interesting topics discussed by "Xrayser II." (p. 47).

The Coroners' Committee recommend that only medical practitioners should administer general anæsthetics, but they would allow dentists to give nitrous oxide. Local anæsthetics would not be interfered with. Our article on the report is on p. 48.

The Week's News.

Glycerin is to be manufactured in Natal (p. 37).

The 1909-10 Budget is to be reintroduced next Tuesday (p. 46).

A change in Bankruptcy Court practice is notified by Mr. Registrar Linklater (p. 40).

A sum of 200,000*l.* is being given to found dental hospitals for those who can pay (p. 34).

It is proposed to amalgamate or federate all the Pharmacy Societies in South Africa (p. 38).

Orange River Colony chemists are getting a big rebate on spirit used for galenicals (p. 38).

The drug-trade is still contributing to the public service. See the lists on p. 34 and p. 35.

Sir J. W. Whittall, of Smyrna, who died on April 10, was well known to opium-dealers (p. 42).

The results of the pharmaceutical examinations in Edinburgh are given on p. 54, and of the Irish Preliminary on p. 44.

The Badische Anilin und Soda Fabrik have abandoned their action against Nobel's Explosives Co., Ltd., for infringement of their sulphuric-acid patents (p. 39).

The Council of the Pharmaceutical Society of Ireland have co-opted Mr. John Burnett, Kingstown, as a member. The question of recognising more schools was again discussed (p. 44).

The Pharmacy Act appeal case *Edwards v. Pharmaceutical Society* has been on the Lord Chief Justice's hearing-paper this week, and would have been reached on Thursday afternoon had the Court not adjourned at the luncheon interval. It is about the legality of trading-names on poison-labels.

Trade and Market Matters.

The chief fluctuations in drugs and chemicals include an advance in saffron, lithia carb. (second-hands), coconut and castor oils; guinea-grains, carnauba wax, and Sudan acacia to arrive are firmer. Shellac, insect-flowers, copper and ammonium sulphate, and quicksilver (second-hands) are cheaper (p. 58).

English and Welsh News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Brevities.

Mr. R. D. Hutchinson, pharmacist, has been appointed dispenser to the Victoria Park Hospital, London, E.

Burglars entered the pharmacy of Mr. J. Bowen Blake-more, chemist and druggist, 136 High Street, Smethwick, Birmingham, this week by forcing the door. Some 5s. in small change was all that the intruders took.

Mr. Chas. A. Hackman, F.I.C., of the South London Central Public Laboratory, 325 Kennington Road, London, S.E., has been appointed temporary analyst for six months by the Colchester Town Council, at a fee of 10s. 6d. per sample.

A man is doing good business in the Leicester market-place at present by selling 30 copies of recipes from "Secret Remedies" for 2d. The combination of these and his eulogy of the British Medical Association would make Dr. Dawson Williams's flesh creep.

The Hull Chemists' Trade Association have sent a letter protesting against the Corporation's servants being allowed to engage in trading operations. The protest is in consequence of an advance in salary being granted to a foreman printer, who is also President of the local Co-operative Society.

According to the "Bradford Observer" of April 9, business was resumed at the Brighthouse branch of Taylor's Drug Stores on the Saturday following the fire on April 4 (*C. & D.*, April 9, p. 526). The note infers that the same premises were refitted and re-stocked throughout, but in reality it is the shop next door which was promptly adapted.

At Lincoln Quarter Sessions on April 9, Charles Henry Yates, apprentice, and Joseph Albert Cooper were sentenced to three months' imprisonment each for stealing 35l. 16s. 4d., in cheques and postal orders, belonging to Mr. E. Rowlett Dixon, chemist, 312 High Street, Lincoln (*C. & D.*, March 12, p. 379). The arrest of the third accomplice had not been effected.

Professor Meldola reported at a meeting of the Council of the Institute of Chemistry on March 11 that the Education Committee of the London County Council have placed the Institute of Chemistry on the same footing as the University of London by allowing County Council's scholarship holders grants for the payment of the fees when the scholars take the examinations of these two examining bodies.

Golf-balls coated with a new luminous paint, produced after many experiments by a lecturer in chemistry at the Manchester School of Technology, were tried after dark the other night on the Trafford Golf Links, Manchester, by two members of the club. A couple of holes were played, and it is recorded that no great difficulty was experienced in finding the balls, which glowed with a purple light.

The monthly meeting of the Nottingham and District Branch of the Drug-stores Association was held on Tuesday, April 5, at the Victoria Station Hotel, Nottingham, Mr. Hutchinson presiding. A discussion on "Secret Remedies" was introduced by Mr. Harris. Letters of support from wholesalers were read by the Secretary, and it was agreed to buy large quantities of certain drugs at low prices in order that members could better compete with "cutters." An interesting discussion followed upon legal matters.

A considerable sensation was caused in front of the Bolton Town Hall on April 11, when a man was observed to fall unconscious to the ground, allowing at the same time a packet of powder labelled "Oxalic acid" to slip from his hand. Emetics were administered, and the sufferer was removed to the infirmary, where he remained in an unconscious state for some time. Further inquiries showed that the suicide-seeker had obtained the "poison" from Messrs. H. B. Pare & Co., chemists, 89 Deansgate; but Mr. C. P. Pare, observing the man's intoxicated condition, had supplied tartaric acid labelled "Oxalic acid."

Dental Surgery for the "Comparatively Poor."

"The Times" of April 11 published an announcement of the practical conclusion of the preliminary arrangements necessary for giving effect to a scheme for bringing the services of skilled dentists within the reach, on moderate terms of payment, of persons who, although neither paupers nor in a position to receive gratuitous treatment without loss of self-respect, are not able to pay the fees required by professional dentists. An anonymous donor has undertaken to provide a sum amounting, if necessary, to as much as 200,000l. for the purpose of supplying, at first in London and afterwards in large provincial cities and towns, establishments for the practice of their art by properly qualified dentists, whose services will be at the disposal of the comparatively poor on terms so adjusted as to be within the compass of their means. It is anticipated that the donor himself will receive a remunerative income from the capital which he is devoting to this purpose, and that the several institutions set on foot under the scheme will be self-supporting. The necessary amount has been placed at the disposal of a prominent official of the British Dental Association, and the Association itself will be consulted about every step in the practical working of the scheme. Its completion will leave the existing dental hospitals free to carry on their present work, and enable them to confine their operations to persons really entitled to seek the aid of a distinctly charitable institution.

The Public Weal.

The following pharmacists have been elected to serve upon public bodies:

- Mr. C. Bayley, to Uppingham Rural District Council.
- Mr. F. W. Biggs, to Stourbridge Board of Guardians.
- Mr. H. W. Blackadar was re-elected to the Portsmouth Board of Guardians at the head of the poll of thirteen candidates.
- Mr. Samuel J. Coley, to the Stroud Board of Guardians.
- Mr. J. Crosby Robson, J.P., to the Redcar Urban Council.
- Mr. A. E. Ekins, F.I.C., was second on the poll out of thirteen candidates for election to the St. Albans Board of Guardians.
- Mr. Josiah Gill, to the Melton Mowbray Board of Guardians and Urban District Council.
- Mr. W. E. Hailstone, to Hadlow (Kent) Parish Council.
- Mr. T. Hardy, to the Maryport Urban District Council.
- Mr. T. E. Harrison, to the Sleaford Board of Guardians.
- Mr. H. S. Heath, to St. Mary Cray (Kent) Parish Council.
- Mr. L. J. Meyler, to the Milford Haven Urban District Council.
- Mr. H. C. H. Oliver, to West Malling (Kent) Parish Council.
- Mr. F. R. Padley, to the Wooler Board of Guardians.
- Mr. W. S. Scott, to the Cockermouth Urban District Council.
- Mr. Wm. Robert Selleck, to Stourbridge Urban District Council.
- Mr. J. B. Wilson, to the Dorking Urban District Council.
- Mr. J. J. Wilson, to the Egremont Urban District Council.

Mr. Hickey's Gold Watch.

Mr. Harry Hickey, Messrs. Parke, Davis & Co.'s senior representative, gave ten days of his time to the cause of justice by attending the sessions at the Old Bailey as a witness. His gold watch was snatched from his pocket while he was in Farringdon Street on March 15, and a man was promptly arrested, thanks to a police-inspector using Mr. Hickey's motor-car. Mr. Hickey began to attend the Old Bailey on April 4, and the value of the time he lost until the man was sentenced to twenty-one months' hard labour on April 12 would have bought a gold watch for each vest-pocket. The one stolen has not been recovered, but Mr. Hickey has much extended his knowledge of Court procedure, and has acquired new ideas of justice, without altering in the slightest his disposition to book orders for serums, tablets, and other P., D. & Co. products; in fact, the incident has confirmed him in the belief that he would rather do that than renew his experience in thief-catching. When the sentence was pronounced the thief threatened to hang himself. Mr. Hickey's feelings are not recorded, but he did not look depressed.

Sheffield Notes.

Mr. John Evans, F.I.C., has been appointed a member of the Council of the newly formed Sheffield and District Cambrian Society.

Mr. M. T. Miner, Ph.C., contributed to an enjoyable musical programme at the annual dinner of the Association of Graduates of the University of Durham, held April 7.

Councillor A. Russell Fox, F.L.S., is now making substantial progress towards recovery after his long and tedious illness, and hopes to get away in the course of the next two or three weeks.

At an informal meeting of the newly elected members of the Sheffield Board of Guardians, held on Tuesday, it was decided to elect Mr. G. T. W. Newsholme as chairman, a position which he held in 1896 and 1898. The "Sheffield Daily Telegraph" on Wednesday gave a portrait of Mr. Newsholme with a short sketch of his career.

Wine and Spirit Licences.

The Surrey Licensing Committee have confirmed the medicated-wine licence granted by the Epsom Bench to Mr. W. C. Phillips, Ph.C., Banstead, Epsom.

At the Licensing Sessions held at the Sessions House, Clerkenwell, this week, the wine licence hitherto held by Mr. Samuel Roberts was transferred to his company, May, Roberts & Co., Ltd. Messrs. Sparks, White & Co. also had their licence transferred to new premises, but Messrs. Fassett & Johnson's application for transfer of their Snow Hill licence to the Clerkenwell Road premises was postponed owing to an informality.

A Sad End.

At the inquiry held at Llanfairfechan last week into the death of Mr. John Parry Roberts, aged thirty-four, who was found dead in a wood (*C. & D.*, April 9, p. 526), Mr. Robert Parry, of Clwytybont, near Carnarvon, identified the body as that of his brother, John Robert Parry, who had since residing in South Wales adopted the name of John Parry Roberts. Deceased, who obtained the Minor qualification in 1900, was subject to depression. Some 7l. in money and several invoices and accounts (paid and unpaid) were found on the body. The jury returned a verdict of "Suicide," adding that they did not consider the evidence threw any light on deceased's state of mind.

Shop Hours.

At a meeting of the Lancaster Chamber of Trade on April 7, Mr. W. Arkle, chemist and druggist (President), in the chair, Mr. J. B. Shattock, chemist and druggist, moved that while the Chamber approves heartily of the main objects of the Shop Hours (No. 2) Bill no legislation on the lines of compulsory closing can be satisfactory, unless (a) all shops, irrespective of size, are brought within its scope; (b) unless the specified hours of closing for each day in the week are fixed by local authorities; (c) unless a half-day holiday for all classes of shopkeepers in their respective areas is arranged to fall on the same day of the week. The motion was carried, and ordered to be forwarded to the National Chamber of Trade.

A Dispenser and a Death-certificate.

At Leeds, before the Stipendiary Magistrate, Mr. C. M. Atkinson, on April 7, Charlton Forman (39), described as a dispenser, of East Beckett Street, was charged with forging a death-certificate on February 17 for a child named McHale. Mr. Arthur Willey, who appeared for the prosecution, said the prisoner was a medical assistant, and was formerly with the late Dr. O'Neill, thus becoming acquainted with a large number of his patients. He exhibited the name "Forman" outside his premises, without any reference to being a medical man. Later on he became associated with a Dr. Lyddon, and each shared the profits of the increment accruing. It was Mr. Forman who occupied the premises and paid the rent. Dr. Lyddon had, it was alleged, permitted Forman to sign death-certificates in cases in which he (Dr. Lyddon) had attended, and certificates had been signed by Forman for those whom the doctor had never seen at all. The Education Department had large bundles of certificates signed by the prisoner or Dr. Lyddon, on behalf of children attending the local schools. Evidence in support of this statement was called. The prisoner pleaded "Not guilty," and was committed to be tried at the Leeds Assizes.

"THE DEGREE of Doctor of Science. John Trotter, B.Sc. thesis: 'Bis-*p*-methoxybenzylidenedimethylpyrone, and some of its Derivatives.'—*The Scotsman*. Lucky that the "bis" did not come at the end of the word, he might have had to say it all over again.—*Punch*.

Irish News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Brevities.

The tender of Messrs. Boileau & Boyd, Dublin, has been accepted by the Claremorris Board of Guardians for drugs, and that of Messrs. Adamson & Co., Ballina, for surgical appliances.

At a complimentary dinner last week to Mr. W. H. Andrews (President of the Belfast and North of Ireland Grocers' Association), on the occasion of his elevation to the magistracy, the toast of "The Town and Trade of Belfast" was responded to by Mr. William Dobbin, Ph.C. Mr. Samuel Gibson, J.P., chemist and druggist, and Mr. William Haslett, President of the Chemists' and Druggists' Society of Ireland, also took part in the proceedings.

The Cootehill Board of Guardians accepted the drug tender of Messrs. Boileau & Boyd, Dublin, at 33½ per cent. reduction on list prices. For medical and surgical appliances the same contractors were accepted at 37½ per cent. reduction on list prices. The tender of Boileau & Boyd was accompanied by handbills bearing the Irish trade-mark and a guarantee that "the pharmaceutical preparations included in our tender are manufactured in our own laboratories in Dublin."

At the meeting of the Mohill Guardians a letter was read from the Local Government Board requesting the Guardians to give the medicine contract to Messrs. Clarke & Co., Belfast, instead of Mr. A. Burns (who was higher in price), and pointing out that a delay in delivery last year by Messrs. Clarke is not sufficient reason for passing them over now. The Guardians have replied that it was on the grounds of convenience they accepted the tender of Mr. Burns.

Vestry Appointments.

Mr. J. Frackleton, Belfast, has been elected a member of the Select Vestry of Bangor Parish Church.

Mr. William Corrigan, Ph.C., Celbridge, co. Dublin, has been elected a member of the Parish Vestry.

Mr. Robert Duggan, Ph.C., has been elected on the Select Vestry of St. Thomas's Parish Church, Dublin.

Mr. Jas. Kiloh, Ph.C., Cork, has been appointed a member of the Select Vestry of St. Fin Barre's Parish.

Mr. William C. Dobbin, Ph.C., Belfast, has been elected a member of the Select Vestry of the parish of St. Barnabas.

Mr. R. F. McCartney, Ph.C., Coleraine, has been elected a member of the Select Vestry of St. Patrick's Church.

Scots News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Aberdeen and the North.

Mr. Alex. Milne, chemist, Maud, is again an applicant for a grocer's licence for the sale of excisable liquors at the forthcoming licensing court.

Messrs. Bratby & Hinchliffe, Ltd., Manchester, have lodged in the Inverness Sheriff Court a petition for cessio against D. Cameron & Co., Crown Aerated-water Works, Inverness.

The Aberdeen Pharmaceutical Association are again giving prizes to the students of the evening pharmacy school at Robert Gordon's College. The competitive examinations take place on Friday and Saturday, April 15 and 16. The subjects prescribed are practical chemistry, theoretical chemistry, botany, and pharmacy. Two prizes are offered in each subject.

Mr. W. L. Howie, F.R.S.E. (British Drug Houses, Ltd.), was one of a large party of Scottish alpine-climbers who visited the North of Scotland at Easter. While in the North Mr. Howie took the opportunity of calling on several of his old friends. At one pharmacy a "Highland character" instantly recognised Mr. Howie, and after he had left said to the chemist: "I know you man fine."

"Indeed," replied the chemist, "can you tell me his name?" "Fine that. Yon's Sir Morell Mackenzie."

The Aberdeen Parish Council have appointed the following chemists to dispense medicines for the outdoor poor in their respective wards during the year 1910-11: Messrs. F. Crossling, H. Thompson, R. Hall, J. Spence, A. W. Berry, W. F. Hay, and J. T. Cran. The work is done at a fixed rate, and goes by turn to chemists conveniently situated in the various wards. It transpired during the discussion that no offers were received for St. Clement's, St. Andrew's, and St. Machar districts, and Mr. Charles Simpson, King Street, was asked by the Council, but could not accept it. Mr. H. Thompson and Mr. Ness were proposed, and on a vote the former was appointed. Mr. Milne's suggestion, that the Council should have a dispensary of its own, did not meet with approval.

Edinburgh.

At the recent meeting of Convention of Royal Burghs held in Edinburgh pharmacy was represented by Mr. John Bain, Ph.C., Bridge of Allan, and Mr. S. Lawrence, Oban.

At the University medical professional examination in materia medica the candidates had put to them a series of questions in prescribing and dispensing which entailed practical knowledge of dispensing-counter work.

The Edinburgh Chemists' Golf Club's opening match of the season was played over Duddingston Golf Course on Wednesday, April 6. The teams were chosen by the Hon. Treasurer and Hon. Secretary, and the match resulted in a draw.

A local pharmacist is meeting requests for workmen's bowling club subscriptions, and all the other institutions which shopkeepers are invited to help onward and upward, in the gallant manner in which most annoyances should be met. "Call on the Co-operative Store," he murmurs suavely, "and I'll give you a contribution equal to what the Society gives you."

Mr. J. L. Ewing, on behalf of the Merchant Company, appeared before a committee of Edinburgh School Board, and requested the Board to make arrangements in connection with the Skin-diseases School so that the boys attending George Watson's College might not come in contact with the Board's pupils. The committee agreed to arrange the school time-table accordingly.

Fife.

Mr. W. Smart, chemist, Buckhaven, has been refused a licence for the sale of medicated wines.

The Leven Oil Mills (Messrs. John Balfour & Co.) are centuries old, but not too old to take up new lines of work. Their latest products are cotton-seed cake and oil.

The Buckhaven public analyst during 1909 examined one sample each of castor oil, olive oil, sweet spirit of nitre, Seidlitz powder, and Gregory's powder, all being genuine. A sample of camphorated oil was found to be deficient in camphor, one of blue ointment deficient in mercury, and one of tartaric acid was finely powdered alum.

The meeting of the Kelty Co-operative Society, Ltd., on Saturday evening, April 9, was exciting, personalities being freely indulged in while a proposal to establish a drug department was being discussed. The managing secretary read the names of the requisitionists and information received from the S.C.W.S., Dunfermline Society, and Alloa Society, regarding the working of such departments. He said the reports were not altogether favourable. After the personalities had sunk well in, it was decided by sixty votes to ten to call a special meeting to discuss the whole question.

Personal.

Mr. J. P. McLeod has acquired the business of the late Mr. Muir, Tain.

Mr. William Reid is commencing business next month at the Valley Field Pharmacy, Newmills by Dunfermline.

Mr. A. Gardner, chemist and druggist, late of Oban, sails on April 21 for Calcutta to take up an appointment there.

Mr. Peter Fenton, assistant to Mr. Lothian, of the Glasgow School of Pharmacy, will in May commence business as chemist and optician at Bowhill, Cardenden, Fife.

Mr. Robert Fraser Thomson, son of Mr. J. H. Thomson, chemist, Lochee, has graduated as M.A. at St. Andrews University with honours in Natural Philosophy, and is proceeding to the science degree on the chemical side.

Mr. Alex. Bertram, chemist and druggist, Innerleven, Methil, has been training an orchestra of ten and a chorus of forty for the last six months. They constitute the local Amateur Dramatic and Operatic Society, and last week they gave nightly performances of "The Bells of Corneville" in the Gaiety Theatre, Methil, Mr. Bertram conducting. The performance proved "an unqualified success."

French News.

(From the "C. & D." Correspondent.)

THE PASTEUR INSTITUTE OF PARIS has sent Dr. Maurice Cohen to Persia, charged with the mission of studying the prophylaxy of cholera and the plague there. News has been received at Paris of his arrival at Teheran, where he has had an audience with the Shah.

THE "JOURNAL DE PHARMACIE ET DE CHIMIE" has celebrated its centenary by the publication of a handsome monograph of 102 pages, which gives the history and successive changes of the journal and biographical notices of all the editors and members of the editorial staff of the journal during the past hundred years.

WHOLESALE ROBBERY.—One of the Paris Police Courts has been busily occupied this week with the trial of ten men, mostly connected with the wholesale drug-trade, who are accused of having carried on an extensive system of "annexing" patent medicines from three of the large commission houses here. It was an organised system of robbery, which had been going on for some time.

A STATUE TO RABELAIS, the famous French *littérateur*, is to be erected at Montpellier, where he studied medicine at the illustrious and historical Faculty still existing, and took his doctor's degree there in 1537. Sculptors are invited to hand in designs by May 1 next. An international subscription has been opened, and the Treasurer is M. Taichère, pharmacist, rue Nationale, Montpellier.

PROSPECTIVE IMMUNITY.—Under the title of "The Prolongation of Human Life," Dr. Doyen has given a lecture to a fashionable audience in Paris. He hopes to arrive at a new minimising agent which will do away with maladies of the respiratory organs, of the digestive organs, and cancers of the skin. Dr. Doyen is usually interesting, but not always orthodox, and on this account has not the approval of his colleagues who follow in more academic lines.

SUPERINTENDING THE SPAS.—The officers of the Sanitary Corps to be detached for duty at the various French spas for the season of 1910 have just been nominated. Among these are included Assistant Pharmacist-Major Meunier, of the Nancy Hospital, who is to be stationed at Bourbonne-les-Bains from May 15 to September 15, and First-class Assistant Pharmacist-Major Lachille, of the Bordeaux Hospital, who is told off for residence at the Barèges Hospital from June 12 to September 15.

HOMICIDE THROUGH INATTENTION.—A court-martial of the 14th Army sat at Lyons on Friday to try a soldier named Sanet, of the 99th Regiment of the Line, on the charge of involuntary homicide by inattention. Sanet was employed in the regimental infirmary as an auxiliary, and on March 7 he caused the death of a soldier patient, Casset by name, through making him take a solution of sodium bisulphate instead of a purge of magnesium sulphate. Sanet was acquitted unanimously at the trial. M. Laroche, an expert chemist, mentioned in his evidence that sodium bisulphate has not been classed as a poison, and as far as he knew this was the first case on record of this substance having caused a fatality.

PHARMACY IN THE PARIS HOSPITALS.—A strong committee has been formed to study the question of reforming the pharmacy services of the Paris hospitals, which is felt to be no longer quite in keeping with present-day needs. The committee includes M. Grimbert, Director of the Central

Pharmacy of Hospitals, and M.M. Bourquelot and Guinochet, chief hospital pharmacists. It is interesting in this connection to bear in mind that the pharmacy service of the hospitals here is centralised under M. Grimbert's care, instead of each hospital having its independent service, as in Britain. The committee has been studying the London pharmacy service of hospitals, with a view to obtaining suggestions.

A CHANTECLER SOAP.—"Chantecler," the new farmyard play by M. Edmond Rostand, has been the event of the season in Paris, and the Chantecler hat and other creations suggested by the play have been produced, but one is puzzled to understand why no "Chantecler Soap" has yet been put upon the market. M. Rostand, who comes from Marseilles, the French Soapopolis, gracefully recognises in several passages the historical connection between soap and poetry. In his "Ode to the Sun" (Sunlight naturally suggests soap) Chantecler pointedly alludes to the "*cure où trempe un savon bleu*," thus indicating the correct hue of the new soap. Then, in the Toads' chorus, one notices that these interesting though critical reptiles have the name of the new soap almost, but not quite, on the tip of their long and venomous tongues. "*Il me vient sous la langue*," says the leading Toad to Chantecler, "*on ne sait quel savon*." Chantecler, who is then modestly effacing himself before the Nightingale's song, is, of course, thus prevented from replying, "Why, Chantecler soap, of course"; but the suggestion will at once occur to the mind of the least thoughtful reader.

Colonial and Foreign News.

VETERINARY PREPARATIONS may not be patented in Hungary, according to a recent judicial decision.

HOFERAT DR. HESSE, director of the Jobst-Zimmer quinine factory at Feuerbach, has just celebrated the jubilee of his doctorate. Dr. Hesse was awarded the Hanbury medal for his researches on alkaloids.

NEW MEDICAL SCHOOL BUILDINGS AT SINGAPORE.—Mr. Tan Chay Yan, one of the wealthy towkays of Singapore, has given a donation of \$15,000 for the erection of a new building for the Straits and Federated Malay States Medical School.

SACCHARIN IN SPAIN.—The import of foodstuffs containing saccharin into Spain has been prohibited. Saccharin may only be retailed in pharmacies on medical prescription. The introduction of saccharin into foodstuffs is also forbidden.

PERSONAL.—Mr. James McKenzie, manager of the Singapore Dispensary, Ltd., left on March 30 for an eight months' holiday in the Old Country. Mr. McKenzie, who is one of the oldest resident pharmacists in the East, is the President of the Straits Pharmaceutical Association.

BUSINESS CHANGE.—Mr. Herbert J. Ling, chemist and druggist, has purchased the business of Messrs. A. Watson & Co., Ltd., at the Hong Kong Dispensary, Hankow, and will continue it as the Hankow Dispensary. The business has been formed into a company with a capital of \$100,000.

FRÄULEIN VON GUSNAR is not the first German woman pharmacist, as has been reported. The profession was opened to females in 1899, and in 1901 the real first German "pharmacist" passed the Assistants' examination, and later passed the State examination. There are now about forty women pharmacists with the State diploma in Germany.

"VASELINE" IN GERMANY.—A summons brought recently against Dr. Graf & Co., Berlin-Schöneberg, by the Chesebrough Manufacturing Co., New York, for alleged infringement of their registered name, has been dismissed in the Berlin courts. The defendant firm designated their product "American Vaseline," and the Court decided that the word "Vaseline" is a generic term indicating a salve-like product obtained from petroleum residues. An appeal by the plaintiffs was quashed.

PROFESSOR CHANDLER RETIRES.—The New York College of Pharmacy on March 28 entertained Professor Charles F. Chandler (who has retired from the chair of chemistry

there and in the School of Mines of Columbia University) to dinner at the Hotel Astor. Mr. Samuel W. Fairchild presided, and among the speakers were Professors Joseph P. Remington, Rusby, Coblentz, and Diekmann, Dr. Hugo Schweitzer, Mr. Albert Plant, and Mr. Ewen McIntyre (who was President of the College for thirteen years). Professor Chandler received handsome engraved testimonials from all present. On the evening of April 5, Columbia University entertained Professor Chandler to dinner at the Waldorf-Astoria Hotel, and the United Chemical Society of the City of New York has also similarly honoured him.

THE ANNUAL MEETING of the Society of German Chemists will be held in Munich on May 19 and 20. One of the proposals to be discussed is a demand to the effect that besides the usual laboratories devoted to inorganic, organic, and physical chemistry, the German Universities and technical high schools should provide a sufficient number of special laboratories for particular branches of applied chemistry, such as study of fats, oils, soaps, gutta-percha and caoutchouc, perfumery, sugar, starch, preparation of gas and burning materials, ceramic, glass manufacture, lighting appliances, explosives, metallurgy, radio-active substances, milk, chocolate industry, etc. In fact, all branches of applied chemistry should be suitably represented, and a necessary number of laboratories erected according to the plans laid down by a central Board.

South African News.

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in business in British South Africa.

Cape Colony.

INSOLVENCY.—The Acting Master (Mr. M. L. Neethling), on March 18, held the third meeting in the insolvent estate of F. J. Harpur, of the International Dispensary, Mill Street, Cape Town. Liabilities to the extent of 2,055/ 4s. 8d. were proved, of which 893/ was preferential under a general bond. Mr. A. N. Foote, the trustee, stated that an examination of the books revealed a loss of approximately 20/ per month since August 31, 1908. Mr. Harpur admitted that he knew the business was not prospering, but he continued to trade in the hope that times would improve and enable him to retrieve his position. The report was adopted, it being stated that the only creditors likely to benefit by the realisation of the assets would be the landlord and preferential creditors. The further management of the estate was left to the trustee.

MEDICINE-STAMP ACT.—Shaik Abdulla, an Indian general dealer, Keerom Street, Cape Town, was fined 1/ at the Cape Town Police Court on March 18 for exposing for sale two bottles of Eno's Fruit Salt without having the necessary stamps affixed. The same week Messrs. J. D. Cartwright & Co., grocers, Adderley Street, Cape Town, were fined 5s. for having some tablets of Cuticura Soap, in a similar condition, in their retail store. Commenting on these cases a local weekly is very severe on the administration of the Act, and declares that the officials dare only enforce it in flagrant cases owing to the lack of definite knowledge of what constitutes a patent or proprietary medicine. It intimates that the authorities would be very pleased to drop the Act entirely. Chemists generally trust that this intimation is correct, but have very little hope that such is the case.

Natal.

NATAL UNIVERSITY COLLEGE.—This new college is situated in Maritzburg, and among the professors appointed is R. Beckett Dennison, B.Sc. (Victoria), D.Sc. (Leeds), Ph.D. (Breslau), to the chair of chemistry and physics.

THE IMPORTANCE OF DURBAN as a manufacturing centre has already been recognised by such firms as Messrs. Kynochs, Lever Bros., and Allen & Hanburys. Messrs. Kynochs are now adding to their business of explosives' manufacturers the manufacture of glycerin to be used in their factory for making nitro-glycerin. Messrs. Kynochs have acquired a site for a new factory on the Bluff, adjoining

ing the factory of the South African Whaling Co. When completed this factory will deal with the "splitting" up of whale oil into glycerin and stearic acid. The stearic acid will most probably be exported, although a certain amount of it may be used in the soap factories in Durban. Messrs. Kynochs have agreed to take over the whole output of whale oil (hitherto exported) from the South African Whaling Co.

Orange River Colony.

MR. W. S. WESTLAKE is removing his business to more central premises on the Market Square, Bloemfontein.

MR. ALEXANDER FOWLIE, chemist and druggist, Brandfort, who has been gazetted as a member of the Medical and Pharmacy Council, vice Mr. John Main, resigned (*C. & D.*, April 9, p. 531), passed the Minor examination in Edinburgh in October 1900 and was placed on the O.R.C. register in December 1907, when he was with Messrs. Lennon, Ltd., Bloemfontein, prior to succeeding to the business of Mr. A. Nicholson at Brandfort. His inclusion in the Council as a Government nominee now gives the country chemists a representative.

MR. F. CARTER, President of the Pharmaceutical Society, was one of the guests at the farewell banquet given by the Government on March 19 to Sir Hamilton Goolld-Adams, G.C.M.G., C.B., Governor and Commander-in-Chief of the Colony, at the completion of nine years' office. Dr. A. B. Ward, President of the Medical and Pharmacy Council, and Dr. P. Targett Adams, President of the Medical Society, were also guests. The Premier (the Hon. A. Fischer, M.L.A.) presided, and was supported by General Townshend, C.B., D.S.O. (G.O.C.), Sir Andries Maasdorp (Chief Justice), Sir John G. Fraser, M.L.A. (Leader of the Opposition), and a thoroughly representative gathering, numbering nearly 200 and including all nationalities, creeds, and shades of political opinion.

Transvaal.

PERSONAL.—MR. W. C. H. Garvie, for five years manager of Jolly & Co.'s Randfontein branch, opened a new business in Randfontein on April 1.—MR. T. A. Benson, manager of Jeppe Pharmacy, Main Street, Johannesburg, left on March 20 for Durban to join the *Suerie, en route* for England, where he intends taking up his residence for a time. The popularity of Mr. Benson among local pharmacists was evidenced by the large number on the platform at Jeppe bidding him *au revoir*. Mr. W. Fortune is taking over the management of Jeppe Pharmacy.

Pharmaceutical Society of Cape Colony.

A COUNCIL-MEETING was held in the Society's Rooms, Mercantile Buildings, Hout Street, Cape Town, on March 17, Mr. W. Froembling in the chair. Messrs. J. Austin Thomas and Geo. R. Cleghorn (Vice-Presidents), J. Sowden, A. E. A. Tothill, J. Clayton Smith, C. L. Tayler, J. Patterson, W. E. Sleggs, A. J. Rivett, and H. R. Peck (Hon. Secretary) were also present. The President, in welcoming the new members of the Council, said he was especially pleased to see Mr. Rivett back again.

COUNTRY COUNCILLORS.—The following were elected country members of the Council: W. K. Mager, Queenstown; C. E. Gardner, Port Elizabeth; G. W. Fowler, Mossel Bay; D. Davies, Caledon; G. Owens, Beaufort West; and D. Engels, Paarl.

FINANCE.—Messrs. F. C. Mathew, J. Sowden, and J. Patterson were appointed a Finance Committee to assist and advise Mr. W. E. Sleggs (Hon. Treasurer).

THE EDUCATIONAL SIDE next received attention, and an innovation, so far as this Society is concerned, was made by the election of a School Committee consisting of Messrs. A. J. Rivett, C. L. Tayler and J. Clayton Smith.

FEDERATION.—In view of the probability of the amalgamation of various South African Pharmaceutical Societies after the political Union in May next, the following committee was elected to deal with this subject: Messrs. W. Froembling, A. E. A. Tothill, and J. Austin Thomas.

COUNTRY MEMBERS.—After some discussion it was decided, for the benefit of up-country members who, from their geographical position, are unable to attend the Society's meetings, to have a *résumé* of any important business or resolutions printed or typed and forwarded to all such members, and also to the Secretaries of kindred Societies.

UNION LEGISLATION.—MR. J. Clayton Smith read a report of the last meeting of the Cape Medical Council, in which

references were made to the necessity of having a conference of the Medical Boards of the various Colonies, in order to frame recommendations to the South African Union Parliament on matters appertaining to their profession. The report showed that the Cape Government had promised official recognition of the Medical Council delegates, and are also to defray expenses of such a deputation. Mr. Smith then referred to the action taken by the Orange River Colony Medical and Pharmacy Board with regard to the same subject, and hoped that the various Cape Societies would not allow the opportunity to pass without being thoroughly represented at some such conference. The President stated that correspondence had already passed on this subject between the various Colonial Societies, and that the election of the Union Committee that evening was a result of such correspondence. He foreshadowed the probability of a Pharmaceutical Conference being held at Bloemfontein at an early date, when the Society would be represented by delegates. The importance of the subject was fully recognised by all the pharmaceutical bodies in South Africa. He intimated that the matter would be dealt with further at the next Council-meeting.

O.R.C. Medical and Pharmacy Council.

At a meeting of the O.R.C. Medical and Pharmacy Council held at Bloemfontein on March 18, Dr. Ward presided, and there were also present Drs. de Kock, Johnson, Swift, Messrs. Hewitt, Jefferies, and the Secretary (Mr. R. C. Streeten).

RECTIFIED SPIRIT.—MR. GILL (Collector of Customs) attended, to explain a new regulation framed under the Customs Convention, by which the Medical and Pharmacy Council is declared a responsible body for the approval of a list of patent and other medicines containing spirit on which a rebate of Customs duty can be obtained. It is further proposed that rectified spirits shall be obtainable in bond, only by manufacturing chemists using 10 gals. in a month, and they will be entitled to a rebate in the Customs duty of 8s. out of 9s. The object of the regulation is to give the department control over the sale of spirit. Rectified spirit has hitherto been applied for on almost all occasions as being for manufacturing purposes, with the result that the department only recovered 4% in duty in 1908, compared with 4,000% obtained in the Transvaal. A long discussion ensued, in which Mr. Gill said the idea was to encourage manufacturing within the Colony, and a *résumé* of views on the new application of the duty, based on the views of country chemists and medical practitioners, was read. As a rule it was objected by the latter that the proposed minimum of 10 gals. in a month is too high, as they did not order so much at a time. Mr. Gill said that his department will see that imported rectified spirit shall be used for manufacturing purposes only. He added that representations to the Government had been made from outside that the Customs Convention was not being adhered to when they allowed the use of duty-free spirit indiscriminately. He is making a practice of taking samples of the articles manufactured and having them examined by the public analyst in order to satisfy himself that they really do contain the declared proportion of alcohol. It was stated at the meeting that the minimum of 10 gals. will benefit some half-dozen chemists only, and a resolution was carried recommending the Government to reduce the minimum to 5 gals.; further, that doctors should be allowed a reasonable quantity under rebate for scientific purposes.

DISPENSING POISONS.—A case of death having occurred through the alleged carelessness of a doctor in dispensing corrosive sublimate tablets without labelling them, the Medical and Pharmacy Council sent a recommendation to the Government to the effect that poisons, when sold on a prescription, should be under more stringent regulations than at present, and to this the Government replied that they could not deal with the matter, which, however, could be referred by the Council to the Union Government when established.

HEAVY FINES.—It was reported that a man named Brett had been fined 25*l.* each on four counts (or 100*l.* in all), or two years' imprisonment, for acting as a doctor without being registered.

THE REGISTER OF CHEMISTS.—The names of E. H. S. Bradfield and H. G. Wicks were restored to the register of chemists and druggists (see *C. & D.*, January 15, pp. 69 and 70). Mr. S. M. Hendry, chemist and druggist, Great Britain, 1905, was registered as a chemist in the O.R.C.

"PHOTOGRAPHIC TABLETS ought to be stained red," says a correspondent in a provincial paper.

MR. H. B. SHARMAN, chemist and druggist, Northwood, Middlesex, managing director of the Imperial Chemical Co., lectured before the Hanwell and Greenford Horticultural Society last week on "Chemical Fertilisers."

Legal Reports.

High Court Cases.

[Unless where otherwise stated the actions are in the High Courts of Justice, London.]

"ANTIFORMIN."

The hearing was commenced before Mr. Justice Lawrence and a special jury in the King's Bench Division on Friday, April 8, of an action by the Scarborough and Whitby Breweries, Ltd., against Messrs. Sutton & Phillips, manufacturing chemists, London, for damages for alleged breach of warranty in respect to "Antiformin," an article used for the cleansing of brewing-utensils. The defence was a denial of the alleged breach and warranty. On behalf of the plaintiffs, Mr. Morten, K.C., said Messrs. Sutton & Phillips circulated advertisements and pamphlets in which the merits of "Antiformin" were dealt with, and certain definite statements made as to what the article would not do. Ten gallons of "Antiformin" was purchased by the plaintiff firm and used, with the result that the vessels were damaged, and something like 217 barrels of beer were rendered useless. The alleged warranty relied upon was contained in a pamphlet called "A Few Words on 'Antiformin.'" It would be contended for the defence that the plaintiffs had not used the article properly.—Evidence for the plaintiffs was given by Mr. J. Mount, their brewer, and by Mr. Lawrence Briant, consulting brewers' chemist, who was of opinion that "Antiformin" was the cause of the trouble complained of; it gave off chloroform compounds. Cross-examined by Mr. Terrell, K.C., witnesses said "Antiformin" contains 10 per cent. of sodium hypochlorite.—Evidence for the defence was given by Mr. A. R. Ling, F.I.C., F.C.S., who had experimented with "Antiformin," and thought it was a great success as a germicide, a disinfectant and deodoriser, and he always recommended it as a cleansing agent.—Mr. Justice Lawrence, in the course of his summing-up on Tuesday, April 12, said the question for the jury to consider was whether or not the beer smelt of chlorine, because, if it did, there could be no doubt, on the evidence, that the smell must have been due to the "Antiformin."—The jury, after a few minutes' consideration, returned a verdict in favour of the plaintiffs, the foreman stating that they were of opinion that the beer was spoilt by the use of "Antiformin."—Mr. Terrell asked his Lordship to hear arguments on a point of law in relation to the case, and Mr. Justice Lawrence said he would do so on Friday afternoon.

SULPHURIC-ACID PATENT.

The action before Lord Salvesen, in the Court of Session, Edinburgh, in which the Badische Anilin und Soda Fabrik, Ludwigshafen-on-Rhine, sought to interdict the Nobel's Explosives Co., Ltd., Glasgow, from infringing their five patents for the manufacture of sulphuric acid, was unexpectedly concluded on Tuesday. The pursuers also claimed 15,000% damages. The nature of the patents was fully explained in the *C. & D.*, March 12, p. 410, when the cause of the action was reported. Since then the hearing of evidence had proceeded to the end of pursuers' case, and, while the evidence of the first witness for the defence was being given on April 12, counsel for the pursuers said it had become clear to them that they could not win on the infringement of their purification patent, and, as that is an essential link in the process, they had decided not to proceed with the case. They therefore asked leave to abandon the action.—Counsel for the defendants argued that the pursuers should only be allowed to do so on payment of expenses as between agent and client. If the defendants only got ordinary judicial expenses the result would be that they, having been justified in a manner which was almost dramatic, would be out of pocket to the extent of hundreds, and possibly thousands, of pounds.—Counsel for pursuers argued for a modification of expenses on the ground that they had been misled as to the nature of the defenders' process.—Lord Salvesen said the position of matters was that, while the first witness for the defence was in the box, the pursuers discovered for the first time that the process which the defenders used in manufacturing sulphuric acid was not an infringement of their patent. They might possibly have discovered that earlier, and no doubt, had they done so, they

would have taken the same step. They had acted with great propriety in putting forward this minute of abandonment when they found that their case upon infringement was hopeless. He allowed the defenders ordinary expenses.

Merchandise Marks Act, 1887.

"BEST OLIVE OIL."

At Wolverhampton, before the Stipendiary Magistrate (Mr. M. C. A. Neville), on April 8, Alfred Dorsett Highfield (partner in the firm of Highfield Brothers, trading as chemists in Moor Street South, Beakenhall, and at Priestfield, Wolverhampton) was charged with applying a false trade description to olive oil.—Mr. G. F. Allwood, inspector of food and drugs for the borough, who prosecuted, explained that the proceedings were taken under the Merchandise Marks Act, 1887, Section 2, Subsection 2, and he stated that this year a number of samples of olive oil were taken in the borough, and among others the shop of the defendant was visited on February 15, when an assistant purchased threepennyworth of olive oil, which defendant supplied and labelled "Best olive oil." The quantity supplied was insufficient to divide into three parts in order to have a satisfactory analysis, so he decided to send to the shop again on February 21, and owing to the fact that the oil supplied on that occasion was genuine, no proceedings were taken under the Sale of Food and Drugs Acts, but as the sample obtained on February 15 was found to contain at least 60 per cent. of arachis oil, the present proceedings were taken.

The assistant who made the purchases, gave evidence in corroboration of this statement.—Mr. G. H. T. Jones, F.I.C., the borough analyst, stated that the oil purchased on February 15 contained 60 per cent. of arachis oil, and to use the term "Best olive oil" to it was a false description.

Defendant, in the witness-box, stated that he had every faith that what he was supplying was olive oil; he had ordered olive oil, otherwise he should not have put "Best olive oil" on the bottle. The invoice bore the words, "1 gallon olive oil B.P.," and he thought that with "B.P." on the invoice it was the best.

The Stipendiary Magistrate said there was no doubt it was not olive oil that was supplied. It was adulterated. The question was whether defendant took all reasonable precautions. He (Mr. Neville) had not got the order which defendant gave; at any rate, the invoice said it was "B.P." He was inclined to think defendant had been a bit careless, but he did not think he really meant to cheat, and he thought the case would be best met by being dismissed on payment of costs (1*l.* 0*s.* 6*d.*).

Mr. Allwood: If you please, sir, that is what I was going to suggest.

The Stipendiary said it would make the defendant more careful in the future.

Sale of Food and Drugs Acts.

SWEET SPIRIT OF NITRE.

At Boxford last week, Flora Amelia Rugg, grocer, was fined 6*l.* and costs for selling sweet spirit of nitre, which on analysis was found to contain 0.9 per cent. of ethyl nitrite and 99.1 per cent. of alcohol and water, or a deficiency of 48.5 per cent.

County Court Cases.

TEETH-EXTRACTION DAMAGE.

At Burslem County Court on April 11, Elizabeth Gibson, a married woman, was awarded 50*l.* damages against the Potteries Hygienic Institute, artificial-teeth makers, for injuries to the jaw in the extraction of teeth. Judgment was entered by consent.

At the Waterford Quarter Sessions on April 12, John O'Brien, Brownstown, co. Waterford, sued the Waterford Hygienic Institute, Ltd., of The Mall, Waterford, to recover 50*l.* damages for negligence in extracting teeth. The defendant, John J. Creaner, was sued as the local representative of the company, and also in his personal capacity. The plaintiff's evidence was that Mr. Creaner injected cocaine into the gums prior to extracting some of his teeth. Soon after plaintiff became unconscious, and had to be medically treated. When an action was threatened the defendant offered plaintiff 5*l.*, and subsequently 10*l.*, which

offers were refused. His Honour held that the only negligence on the part of the defendant was that he administered an overdose of cocaine, and that too quickly. He gave a decree against the defendant for 18*l.*, and allowed 2*l.* costs to Dr. O'Sullivan, who was examined as a witness for plaintiff.

Bankruptcy Reports.

Re Henry Weiner, 12 Old Quebec Street, W., Doctor of Medicine and proprietor of "Vita."—The public examination of this debtor was held before Mr. Registrar Linklater at the London Bankruptcy Court on April 12. The accounts showed liabilities 523*l.* 5*s.* 5*d.* and assets 12*l.* It appeared that the debtor came over from Paris in 1903 with a capital of 2,000*l.*, and in 1904 he commenced to practise at York Road, Westminster, but after six months he removed to Leicester Square, where he started a therapeutic establishment for the cure of nervous diseases. It was not a success, and after six months he closed it. In the same year he fitted up a laboratory at 16 Waterloo Bridge Road for making a proprietary article called "Vita" for the cure of infantile sickness and diarrhoea; it was a financial failure, and the premises were subsequently closed. In 1907 he took premises at 32 Royal Avenue, King's Road, Chelsea, and in 1909 he removed to Old Quebec Street, where he was practising at the date of the receiving order. The debtor attributed his failure and insolvency to bad debts, to losses in connection with the therapeutic establishment at Leicester Square, and to loss upon advertising "Vita." The examination was concluded.

AN IMPORTANT CHANGE OF PRACTICE in the administration of the Bankruptcy Acts was notified by Mr. Registrar Linklater at Tuesday's sitting of the London Bankruptcy Court. The day's list of cases contained ten public examinations of debtors, and six of the number had to be adjourned to a future date by reason of the default of the debtors to file the statement of their affairs in time to allow it to be investigated and the public examination by the Official Receiver to proceed. His Honour, commenting upon this default, said: "This is an evil which I am going to try to cure. There is a section in the Act which sets forth that the public examination of a debtor is to be held as soon as may be after the making of the receiving order; but, of course, it cannot be proceeded with until a statement of affairs has been filed. The result is that in an enormous percentage of cases creditors are brought here for nothing, at immense inconvenience to themselves, taking them away from their businesses, and to their solicitors as well—to say nothing of the expense thrown upon the creditors, and in the case of estates devoid of assets, considerable expense thrown unnecessarily upon the State. I intend in the future to adopt a new practice for myself, although, of course, I cannot say that my colleagues will follow it. I do not intend to appoint a day for public examinations of debtors until the statement of affairs has been filed. There should be no difficulty in procuring such a statement from a debtor because all the Official Receiver has to do is to apply in Chambers for an order upon the debtor to furnish it: the order will be granted as a matter of course, and should the debtor not comply with the order, the Official Receiver can then apply to the Judge to commit him for contempt of Court. For a long time I have been of opinion that an immense amount of unnecessary inconvenience and expense has been caused by the default of debtors in this particular. It may be said that it is rather late in the day to alter a long course of practice, but the answer to that is very obvious: 'It is always the last straw that breaks the camel's back,' and 'It is never too late to mend.'"

Deed of Arrangement.

Begg, John Cuthbertson, 121 Monks Road, Lincoln, Chemist and Druggist. Trustee, J. L. Rayner, Lincoln. Dated April 1; filed April 7. Secured creditor, 15*l.*; liabilities unsecured, 675*l.*; estimated net assets, 560*l.* Among the creditors are: Evans Sons Lescher & Webb, Ltd. (84*l.*); S. Maw, Son & Sons (13*l.*); Parke, Davis & Co. (10*l.*); Spratt's Patent (11*l.*); S. Smith & Co., Ltd. (17*l.*); Raphaels, Ltd. (10*l.*); John Bell, Hills & Lucas, Ltd. (10*l.*); Southall Bros. & Barclay, Ltd., Birmingham (11*l.*); Blundell, Spence & Co., Ltd., Hull (15*l.*); Hirst, Brooke & Hirst, Ltd., Leeds (67*l.*); W. F. Charles, Loughborough (15*l.*); J. H. Haywood, Ltd., Nottingham (16*l.*).

Gazette.

Partnerships Dissolved.

BERRY, J. B., and **MOFFAT, J. G.**, general medical practitioners, Keighley, under the style of Berry & Moffat.
CLARK, W. B., and **CLARK, W. S.**, druggists, etc., Leicester, under the style of Clark, Nettleship & Bailey.
HANSEN, N. C. R., and **SAMUEL, H. C.**, medical practitioners, Walthamstow, under the style of Hansen & Samuel.
HAWKEN, G. L. L., and **PARRY, E. J.**, surgeons, etc., Hurst-pierpoint, Sussex, under the style of Hawken & Parry.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

WHITTAKER & FROST, LTD. (P.C.).—Capital 1,500*l.* Objects: To acquire and carry on the business of Whittaker & Frost, chemists and druggists, manufacturers of and dealers in surgical appliances, optical goods, etc. The first directors are F. G. Earl and C. Frost. R.O., 65 Ayres Road, Old Trafford, Manchester.

WILLIAM BROOKE (LEEDS), LTD. (P.C.).—Capital 40,000*l.*, in 1*l.* shares (10,000 preferred). Objects: To take over the business of William Brooke, glass and flint-glass bottle manufacturer, Crown Bottle-works, Jack Lane, Hunslet, Leeds. The first directors are W. Brooke (permanent governing director) and W. H. Brooke.

H. G. BARRETT, LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of manufacturers of and dealers in syrups, cordials, liqueurs, wines, spirits, essences, etc. The subscribers and first directors are C. E. Wyatt, Marshlands, stockbroker, and H. G. Barrett, merchant. R.O., Heath Works, Robsart Street, Brixton, S.W.

P. B. KING & CO., LTD. (P.C.).—Capital 4,000*l.* Objects: To carry on the business of wine and spirit merchants, manufacturers of and dealers in medicated and tonic wines, chemists, druggists, butchers, meat-extract manufacturers, etc., and to adopt an agreement with W. C. Pearce and W. M. Box, who are the first directors. R.O., 29 St. Thomas Street, Portsmouth.

LACTIC FERMENTS, LTD. (P.C.).—Capital 10,000*l.* Objects: To take over from Arthur H. Cox & Co., Ltd., any interests in any patents, *brevets d'invention*, licences, concessions, and the like, and particularly an invention for improvements in or relating to bacilli culture and preservation for which provisional protection has been obtained, and also the trademarks "Massolettes" and "Massogran." The first subscribers and directors are Arthur H. Cox, Edward E. Cox, and Frederick W. Welch. R.O., 3 Brunswick Row, Brighton.

BULGARIAN SOUR MILK CO., LTD. (P.C.).—Capital 2,000*l.* Objects: To take over the business of importers, exporters, and manufacturers of and dealers in fresh or soured milk, in liquid, solid, powder or other form, dairy and other products, etc. The first subscribers are B. Handley, 102 Hollingbury Park Avenue, Brighton, electrical engineer; C. E. Handley, 102 Hollingbury Park Avenue, Brighton, artist; E. A. Locock, 164 Coleherne Court, S.W., translator; F. G. Bristow, 119 Stratford Road, Plaistow, secretary; and N. A. Medawar, 40 Shaftesbury Avenue, W.C., merchant.

Company News.

BORON PRODUCTS CO., LTD.—The company to be voluntarily wound up. Mr. C. E. Brownrigg, chairman, is appointed liquidator.

PARKE'S DRUG-STORES, LTD.—The directors have declared an interim dividend on the preference shares for the half-year ended March 31, at the rate of 6 per cent. per annum.

VINOLIA CO., LTD.—A petition is to be heard by the Vice-Chancellor of the Chancery County Palatine of Lancashire, at the Assize Court, Manchester, on April 18, for confirming a resolution for reducing the capital of the Vinolia Co., Ltd., from 250,000*l.* to 175,000*l.* by paying off and extinguishing 15,000 of the 25,000 preference shares of the company.

GERMAN CHEMICAL DIVIDENDS.—The Fritz Schulz Chemical-works, Leipzig, made a net profit of m.1,645,608, against m.1,640,455 in 1908. A dividend of 23 per cent. is again being paid. The capital is m.5,000,000.—The Chemical-works of Oranienburg made a net profit of m.140,493, against m.124,533 in 1908, and are paying a dividend of 8 per cent., against 7 per cent. The competition in mineral acids is very keen, and seems likely to continue so.—Gehe & Co., Dresden, have declared a dividend of 14 per cent., the same as in 1908. The capital is to be increased by m.500,000 to m.2,500,000.

Mortgages and Charges.

Under the Companies (Consolidation) Act, 1908, Sec. 93, the mortgages or charges therein specified are (except in Scotland) void against the liquidator and any creditor of the company unless filed with the Registrar in accordance with the conditions laid down in the Act. The following have so been filed and, except where otherwise stated, are charged on the company's undertaking and property, present and future, including uncalled capital.

William Pearson, Ltd.—5,000*l.* debentures now created and issued.

Perkins, Ltd.—A memorandum of satisfaction to the extent of 50*l.* of a mortgage debenture securing 2,000*l.* has been filed.

Synotoids, Ltd.—Issue of 100*l.* debentures.

W. E. Wood's Great Peppermint Cure Co., Ltd.—Debenture to secure 1,712*l.* 12*s.* 7*d.* Holders, Spottiswoode, Dixon & Hunting, Ltd., 180 Fleet Street, E.C.

Business Changes.

Notes for this section must not be in the nature of advertisements, and they should be authenticated when sent to the Editor.

MR. J. BOYLE, pharmacist, has opened a pharmacy at 19 Burton Street, Nottingham.

MR. THOMAS SWALES, druggists' sundriesman, 24 Butts Court, Leeds, has extended his premises into Albion Street.

MR. G. MARTIN MARTYN has disposed of his business at 45 Longbridge Road, Barking, to Mr. P. Gray, chemist-optician.

MESSRS. GREAVES & SON, Ironville, have purchased the business of Mr. Arthur Toon, chemist and druggist, Pinxton, Derbyshire.

MR. A. R. DAVIES, chemist and druggist, has sold his business at 65 Regent Road, Yarmouth, to Mr. T. A. Wingfield, chemist and druggist.

MR. J. W. HOLMES, chemist and druggist, has purchased the branch business of Mr. G. A. Sanderson at the Melrose Pharmacy, Elm Road, New Malden.

MR. F. C. JONES, pharmacist, has purchased the business of Mr. J. E. Mallinson, chemist and druggist, the Central Pharmacy, Folkestone. (Corrected note.)

MR. C. BROOKS, chemist and druggist, 4 Northumberland Avenue and Craven House, Kingsway, London, W.C., has removed his Cranbourn Street branch to larger premises next door.

GOLF.—The Edinburgh Chemists' Golf Club has thirteen fixtures from now until September 23. On April 18 the spring holiday competitions take place at Gullane. Mr. George Baxter, 11 Polworth Place, Edinburgh (Hon. Secretary), has sent us a fixture card.

CRICKET.—We have received the fixture card of the cricket section of the Leicester Pharmacy Athletic Club, whose season will begin on April 23 with a match between eleven chosen by the captain (Mr. G. E. Marfitt) and vice-captain (Mr. H. W. Clear). The Hon. Secretary is Mr. E. A. A. Fry, 9 Belvoir Street, Leicester.

THE BENEVOLENT FUND CONCERT given on April 13, by the Association of Women Pharmacists at the Passmore Edwards Settlement, Tavistock Place, London, W.C., was very well attended. The first part of the programme consisted mainly of selections by Mr. Basil Althaus's string orchestra, the most notable being Grieg's "Norwegian Folk Songs," in which one could almost hear the raging northern seas. The singers included Mrs. J. Wellesley Douglas, Miss Violet Dallin, Mr. C. St. Clair Collins, and Mr. Harold Dwyer. The latter gentleman also played "Convict 96" in the sketch entitled "The Convict on the Hearth," which formed the second part of the programme. This sketch was exceedingly well acted, but the language in many instances was coarse and unsuitable for the concert stage. In addition, Miss B. Rowley gave recitations and Mr. J. Wellesley Douglas a violin solo, Handel's "Largo," with organ accompaniment. There was an interval of 20 minutes between the parts of the programme, during which light refreshments were served by the members of the Association in dainty muslin aprons, and a brisk "retail" trade was done.

Births.

BELL.—At the Prudhoe Terrace, Tynemouth, on April 8, the wife of W. W. Bell, chemist, of a daughter.

DEMUTH.—At 49 Carlton Hill, St. John's Wood, London, N.W., on March 31, the wife of Rudolph Demuth, of a son.

LEADBETTER.—At Balnacraig, Lochgelly, on April 5, the wife of David A. B. Leadbetter, chemist and druggist, of a son.

Marriage.

EVANS—PONSFORD.—At Manvers Street Baptist Chapel, Bath, by the Rev. L. C. Parkinson, M.A., assisted by the Rev. W. Evans Darby, B.D., LL.D. (uncle to the bridegroom), and the Rev. J. Lewis Roderick, B.A. (brother-in-law to the bridegroom), David Albert Evans, chemist and druggist (of Steele & Marsh), to Rose Maud Ponsford.

Deaths.

ABEGG.—At the Köslin Hospital, on April 3, Dr. Richard Abegg, Professor of Chemistry at the Breslau University, aged forty-one. Professor Abegg contributed to many German technical papers on chemical and photographic subjects, and acted since 1899 as editor of the "Zeitschrift für Electrochemie und angewandte physikalische Chemischer Gesellschaft."

CAMPBELL.—On April 7, at Mount Hebron, Hillside Road, Tulse Hill Park, London, S.W., Mr. Donald Campbell, late of 10 St. Mary Axe, E.C., aged seventy-one. Deceased founded the business of Donald Campbell & Co., wax, gums, and oil merchants, in 1870, and took an active part until his retirement six years ago.

EWING.—In London, on April 7, Margaret Mooney, widow of James Ewing, chemist and druggist, formerly of 51 Albert Street, Edinburgh.

FISHER.—On April 7, Mr. James Fisher, chemist and druggist, aged sixty-eight. The deceased gentleman was in business at 94 High Street, Lowestoft, for forty years.

HODGSON.—At 49 Suffolk Street, Sunderland, on April 6, Mr. Robert Hodgson, chemist and druggist, aged seventy-five. The deceased gentleman, who was a bachelor, was apprenticed with the late Alderman Thompson at Sunderland. He was in business in the same town in Corporation Street, and later in Suffolk Street. Mr. Hodgson was Secretary to the Seamen's Almshouses for twenty-five years, and held various offices during his fifty years' connection with the Sans Street Wesleyan Church. The interment took place at the Bishopwearmouth Cemetery on April 9.

MACOWAN.—At Uitenhage, Cape Colony, on December 1, 1909, Dr. Peter MacOwan, F.L.S., formerly Director of the Cape Town Botanic Gardens, and Curator of the Cape Government Herbarium. An appreciative obituary notice of Dr. MacOwan is given in the "Kew Bulletin" (No. 3) issued this week.

MARCH.—At Leaside, East Park Parade, Northampton, on April 10, Mr. Thomas March, chemist and druggist, of Long Buckby. The deceased gentleman had suffered from ill-health for some time past.

PRICE.—On April 5, suddenly, Mr. James Henry Price, chairman of the board of directors of A. S. Price & Co., Ltd., manufacturing chemists, Blackheath, Birmingham. Mr. Price had been in his customary health, and was about as usual on the Monday, but passed away early the next morning, practically in his sleep. He was a mining engineer, but had been connected with A. S. Price & Co., Ltd., since its formation by his son, Mr. A. S. Price, chemist and druggist and managing director of the company.

WATSON.—At Beccles, Suffolk, on April 4, the wife of Mr. Edward Watson, chemist. The deceased lady, who had not been in robust health for some time, died from heart-failure a few minutes after returning from a visit to her son.

WHITTALL.—On April 10, at his residence at Moda, Constantinople, after a long and painful illness, Sir James



SIR J. W. WHITTALL.

William Whittall, aged seventy-two. Sir James was formerly the head of the firm of Messrs. J. W. Whittall & Co., Constantinople, merchant-bankers, and well known to all large buyers of Turkey opium and other produce. He was born at Smyrna, his father, Mr. James Whittall, and his grandfather, Mr. Charlton Whittall (a member of the old Levant Company), having been merchants in Turkey from the beginning of last century, and their firms, which have uninterruptedly represented the "largest British mercantile interests in the Levant," are now continued in the fourth generation. In 1861 Mr. James William Whittall joined the eminent firm of J. C. Harter & Co., Manchester, until he was forced by ill-health to leave England. He then took up one of the branches of the old firm at Constantinople, and ultimately the business became the leading one of its kind in the city. Sir James founded the British Chamber of Commerce of Turkey in 1887, and was for many years its President, his work in furthering the interests of British trade in the Levant being invaluable. At the time of the Armenian disturbances Sir James and his committee were instrumental in raising 250,000*l.* for the relief of the oppressed. He was knighted in 1898, when an interesting account of his career was published in *THE CHEMIST AND DRUGGIST*.

Personalities.

Notes for this section must not be in the nature of advertisements, and they should be authenticated when sent to the Editor.

MR. G. S. SAVAGE, chemist and druggist, Bradford, has been appointed people's warden for St. Andrew's Church, Bradford.

ALDERMAN J. A. STEWARD, chemist and druggist, has been appointed a Guardian of the Hop Market by the Worcester City Council.

MR. C. H. ASHTON, Ph.C., 342 Wellington Street, Grimsby, has been appointed Secretary of the local Chemists' Association in place of Mr. F. W. Heely, resigned.

MR. ARTHUR E. EKINS, Ph.C., F.C.S., F.I.C., of St. Albans, has been re-elected a member of the Council of the Hertfordshire Natural History Society and Field Club.

MR. W. R. A. GILMAN, chemist, 3 High Street, Rishton, Lancs, has been appointed on a special committee to arrange for the formation of an adult school for the town.

MR. WILLIAM BUDDES, successor to John Beddard, 46 Churton Street, Belgrave Road, London, S.W., has received a warrant of appointment as chemist to King Edward VII.

MR. ALFRED LIVESY, of Tenby, South Wales, is not by any means "the late Mr. Livesey," as was erroneously reported to us last week, but is taking a well-deserved holiday since the disposal of his business.

SIR WILLIAM RAMSAY, K.C.B., F.R.S., Professor of Inorganic Chemistry, University College, London, has been nominated President of the British Association for the meeting to be held at Portsmouth next year.

A MARRIAGE has been arranged, and will shortly take place, between Mr. Harold E. Webb, of Woldingham, Surrey, and Bartholomew Close, London, E.C., and Helen Montell Lycett, of Kirkwood, St. Louis, U.S.A.

PROFESSOR W. R. DUNSTAN, F.R.S., left Ceylon on March 17 by the *Mahwa* for home. He was interviewed before he left by a representative of "The Times of Ceylon," to whom he spoke of the mineralogical survey, which was the chief object of his visit.

MR. J. W. W. AGNEW, L.P.S.I., who has represented Messrs. Edward Cook & Co., Ltd., "The Soap Specialists," Bow, London, E. in Ireland and the Isle of Man for over

three years, is in future to represent the company in a wider sphere, covering also the West of England and South Wales. Mr. Agnew will make Cromer, Tuffley Avenue, Gloucester, his headquarters.

BRO. G. E. PEARSON (general manager to Messrs. Burroughs Wellcome & Co.) was installed as W.M. of the Galen Lodge, No. 2394, at Freemasons' Hall, on Monday, April 11. Bro. J. F. Harrington (President of the Pharmaceutical Society) was appointed S.W., and Bro. G. R. H. Clark was appointed J.W. There was a large attendance of members and visitors, including several Grand Officers.

MR. THOMAS RIDLEY, 9 English Street, Carlisle, in his address to members of the Pharmaceutical Society as a Council candidate, says his "chief claim to the support of chemists, particularly of those living in agricultural districts, is his thorough knowledge from a long personal experience of this class of business, experience which must be of service in any further developments in the administration of the Act."

MR. R. GOODWIN MUMBRAY, Ph.C., who was for many years in business at Richmond, Surrey, and is now living in Dover, recently celebrated the ninety-second anniversary of his birth. His physical energy is the envy of many a younger man, and he is mentally vigorous. The following impromptu flowed from his pen on the birthday:

The universal cosmopolite law,
Embracing skies and seas and earth;
Princes and potentates of lofty birth,
The rich, the poor, the ignorant and wise;
All are but equal in their Maker's eyes,
And must be judged according to their lives.

ALDERMAN T. SCOTT FOSTER, chemist and druggist (says the "Portsmouth Evening News" of April 11), is regarded as the next Mayor of Portsmouth, who is to entertain the British Association during his period of office. At the next meeting of the Town Council the present Mayor (Sir Wm. Dupree) will move that a grant of 3,500*l.* be made to the Mayor for this purpose. The alderman retired from pharmacy some years ago to practise dentistry. Very successfully Alderman Foster has already occupied the Mayoral chair on two occasions. His brother, Mr. F. G. Foster, chemist and druggist, was elected Mayor in 1907.

Contracts.

Aberdare Urban District Council.—Mr. E. Llewelyn Humphreys, pharmacist, Aberdare, for the supply of drugs and disinfectants.

Bury St. Edmunds Guardians.—Mr. W. E. Youngman, chemist, Bury St. Edmunds, for the drug-supply.

Canterbury City Council.—Burt, Boulton & Haywood, Ltd., for carbolic acid, etc.

Derby Town Council.—R. Daniel & Son, Derby, for disinfectant fluid and sulphur candles; Blunt & Evans, Derby, for disinfectant soap and chloride of lime.

Eastry Guardians.—Hooper & Co., for the supply of a water-bed at 2*l.* 15*s.*

Farnham Guardians.—Allen & Hanburys, Ltd., for the drug-supply.

Folkestone Town Council.—Sanitas Co., Ltd., for Soldis at 10*l.* per gal.

Islington Guardians.—Burgoyne, Barbidges & Co., for the supply of drugs until Lady Day, 1911.

Liverpool City Hospitals.—Ayrton, Saunders & Co., Ltd., for the supply of drugs and chemicals.

Market Harborough Urban Council.—Mr. A. H. Nash, Ph.C., Market Harborough, for the year's supply of disinfectants.

Plymouth Town Council.—Corbyn, Staacey & Co., for the supply of drugs.

Runcorn Guardians.—Mr. J. H. Weston, chemist, Runcorn, for drysaltery.

Wakefield City Council.—Mr. J. Judge, chemist, Wakefield, for the supply of drugs to the Infectious Diseases Hospital.

West Derby Union.—Ayrton, Saunders & Co., Ltd., for the drug-supply.

RESORCIN.—The figures given for the melting-point of resorcin vary as quoted by the different authorities. M. Paul Lemaire ("Bull. Soc. Phar. Bordeaux"), who has tested seven samples, states that the melting-point is 109° to 110° C.

Trade Notes.

GUARANA.—Messrs. H. Salle & Co., 4 Rue Elzévir, Paris, inform us that they are extremely well placed for guarana, and will be glad to quote to wholesale buyers.

MR. J. MORYSEPH, 14 Trinity Square, Tower Hill, London, E.C., is the agent for the Maya Bulgare Co., Ltd., to which reference was made in the *C. & D.* last week, p. 526.

FLY-CATCHERS.—Messrs. Kay Bros., Ltd., Stockport, call attention to the opening of the fly-catcher season. Among the suspensory variety of fly-catchers the "Vampire" and "Flysac" specialties of Messrs. Kay are well-known and popular with chemists' customers. To meet the demand for wider tapes a new model known as the "Viper" has been introduced.

NEWSPAPER ADVERTISING.—Messrs. W. H. Smith & Son, advertising agents, 55 Fetter Lane, London, E.C., have issued a book of examples, in the original sizes, of newspaper advertisements which they have designed for their customers. A fine variety is given, and chemists interested in the subject should write for a copy of this book of examples.

MAMMOTH SNAKE.—This is the name given to the fly-band which is marketed by Messrs. W. & H. Jackson, Cornwallis Works, Lydia Ann Street, Liverpool. The outer cylinder is $4\frac{1}{2}$ in. long, while the actual fly-band is $3\frac{3}{8}$ in. wide and 27 in. long, thus allowing plenty of sticky surface. Messrs. Jackson will send sample and prices on application.

CHEMISTS IN AUSTRALIA are requested to note that Messrs. F. Kemp & Co., Ltd., 95 York Street, Sydney, N.S.W., have for some time been sole Australian representatives for Messrs. Wright, Layman & Umney, Ltd., Southwark Street, London, S.E. The agency includes the firm's packed pharmaceuticals, Wright's coal-tar specialties, and other products.

KEATING'S POWDER.—The season's advertising of Keating's insect-powder has commenced, and chemists should look through their stock with a view to replenishment. Mr. Thomas Keating, 50 and 52 Union Street, London, S.E., offers in an advertisement in this issue to supply advertising matter and handbills free of all cost to any retailer who applies for them. These are good for bringing business.

GLYCERIN LOZENGES.—Messrs. Arthur H. Cox & Co., Ltd., Brighton, send us samples of glycerin lozenges which they are introducing. These contain 70 per cent. of glycerin, sterilised before use, and are in disc form, clear and amber coloured. The lemon flavour is very delicate. The lozenges are made in ten varieties and are packed in card boxes. Our readers can get samples and quotations from Messrs. Cox on application.

QUININE TABLETS.—Messrs. Howards & Sons, Ltd., Stratford, have issued a new illustrated price-list of their tablets, pills, ovals, etc., in which special prominence is given to quinine tablets and pills made only with Howards' quinine. The consumer therefore knows that he is taking "Howards'" and also that he is getting the exact dose. The company, we note, state in their list that they are the only makers of quinine sulphate in England.

CONCENTRATED PERFUMES.—Mr. William George Beisly, Laboratory of Flowers, 64, Upper Moss Lane, Manchester, in an advertisement in this issue, calls attention to his floral essences for the manufacture of high-class perfumes simply by the addition of alcohol (90 per cent.). This, at the present price of S.V.R., works out the cost of the perfume as 7s. 3d. per lb. These essences are guaranteed to keep any length of time either in otto form or diluted. Mr. Beisly has had exceptional experience as a manufacturing perfumer, having been for fourteen years with Piesse & Lubin and for many years with the Erasmic Co. He is making a special offer so as to introduce his perfumes to a wider field.

CIRENGOL.—The importance of exhibiting showcards is emphasised in a letter we have received this week from Messrs. Thomas Christy & Co., 4, 10, and 12 Old Swan Lane,

Upper Thames Street, London, E.C. The company inform us that they know of many cases where the exhibition of the cirengol showcard last year had the effect of selling dozens of tubes of cirengol. The new showcard is printed in red and black, and in the centre is a large illustration of the green-fly which cirengol destroys. Amateur gardeners are more numerous than ever they have been, and the same may be said of garden-pests. Each 6d. tube of cirengol contains sufficient extract to make 20 gals. of syringing solution; for those who use large quantities the 2s. 6d. size is recommended.

POTTER'S SPECIALITIES.—Sulphur blood-purifiers are now seasonable, and children will welcome the sulphur-creams just issued by Messrs. Potter & Clarke, Ltd., Artillery Lane, London, E. These are made in raspberry and cream flavours, the corresponding colours being a pleasing pink and yellow respectively. The taste and flavour bear out their appetising appearance. Bright and attractive coloured show-bills are sent out with the creams, which are packed in cartons to retail at $3\frac{1}{2}$ d. "Kasbah" Kidney Cure is another new herbal line registered by Messrs. Potter & Clarke, the P.A.T.A. price being 6d. The carton contains a muslin bag for preparing the infusion. An effective salmon-coloured show-card, illustrating the gate of an Oriental city, is used for calling attention to the kidney cure. Messrs. Potter & Clarke will be pleased to supply chemists with further particulars.

SPARKLET SYPHONS.—In dealing last week with the new large syphons "C" introduced this season by Aerators Ltd., "Prana" Sparklet Works, Upper Edmonton, London, N., we referred to the double-sized syphon introduced last year as the "B" syphon, whereas that designation properly belongs to the company's standard syphon, which has been on the market for close upon ten years, and which is charged with one "B" bulb. The "C" syphon, charged with 1 "C" bulb, replaces the double-sized syphon of last year, charged with two "B" bulbs, and the company also market a third form—namely, the "Sparklogene" or "Seltzogene" shaped apparatus, which is charged with three "B" bulbs. Our readers will observe from an announcement made by the company this week that they are initiating an attractive prize competition, in which the purchase of a "C" syphon is a condition of entry. Chemists will, therefore, appreciate the importance of being able to satisfy the public in that respect by stocking the new syphon.

CORN-PLASTERS.—People who suffer from corns find their sufferings intensified as soon as the warm spring weather sets in. This points to the necessity of the chemist being prepared with an up-to-date stock of corn-remedies and makes the present a good time to introduce new lines in corn-plasters. These thoughts have been suggested by the receipt of a number of samples of medicated corn-plasters from Messrs. P. Beiersdorf & Co., 7 and 8 Idol Lane, London, E.C. These specimens are intended to show the great variety in which these plasters can be obtained. The medicaments are salicylic acid and extract of Indian hemp, and the base of the plaster may be white linen, pink cretonne, green or pink taffeta, pink or white velvet, or green silk, and these can be supplied in different forms, such as squares or cut circles, ready for use. The gutta-plast is a variety spread on an impermeable base, the absorptive power of the skin and penetrative action of the salicylic acid being thereby increased. Leuko-plast is well known as a plaster for general use, but it is also largely employed for fixing corn-plasters on the toe, and is often packed with the medicated plaster. Messrs. Beiersdorf inform us that they are prepared to supply corn-plasters of any strength and formula and to pack them in any style the customer desires. Chemists who contemplate changes in the style or variety of their corn-plasters should communicate with the firm.

ORUDONE, a remedy for gout and rheumatism, is composed, according to Zernik ("Apot. Zeitg."), as follows: (1) Liquid, containing a mixture of salicylate and iodide of ammonium; (2) salt, containing diuretin (9.11); sodium salicylate (1.17); sodium sulphate (9.85); magnesium citrate (16.34); lithium citrate (1.89); sodium citrate (3.93); citric acid (38.14); urea (4.12); bitter substances and moisture.

Pharmaceutical Society of Ireland.

Council-meeting.

A MEETING of the Council was held at 67 Lower Mount Street, Dublin, on April 6, Mr. John Smith (President) in the chair. The other members present were: Dr. James A. Walsh, Dr. Chas. J. B. Dunlop, Messrs. George D. Beggs (Hon. Treasurer), Patrick N. White, J.P. (Sligo), John E. Connor (Newry), Thomas N. Moffitt (Belfast), Wm. F. Wells, David M. Watson, Joseph H. Bowden, and James Michie (Dublin). Mr. Arthur T. Ferrall (Registrar and Clerk to the Council) was in attendance.

CO-OPTING A MEMBER.

The minutes of the previous meeting having been read and signed, the PRESIDENT said that the first business was the co-option of a member of Council in the room of Mr. Chas. P. Fairweather, Kingstown, resigned.

Mr. BEGGS proposed that Mr. John Burnett, of Kingstown, be co-opted in place of Mr. Fairweather. They were all sorry that Mr. Fairweather did not see his way to remain a member of the Council. He (Mr. Beggs) was sure that Mr. Burnett would be a regular attender, and would be in every way an acquisition to the Council. He believed Mr. Burnett had been for twelve years a member of the Society, and for twenty-two years a licentiate.

Mr. CONNOR seconded the co-option of Mr. Burnett, which was supported by Mr. WATSON, and passed unanimously.

The PRESIDENT said that Mr. Burnett had signified that he would be prepared to act.

DEATH OF A MEMBER.

The REGISTRAR read a letter from Mr. W. K. Fayle, R.D., J.P., of Birr, stating that Mr. B. W. Fayle, chemist and druggist, had died on June 10, 1907, and that the business is now carried on by the writer and his brother.

Mr. WELLS said that as the writer of the letter was a registered druggist he could not use the title of "chemist" in any way. He ought to be written to to that effect.

SCHOOLS' APPLICATIONS FOR RECOGNITION.

Letters were read from the London College of Chemistry, Pharmacy, and Botany, the Ballymena Municipal Technical School, the Londonderry Municipal Technical School, the Waterford Central Technical Institute, and the Newry Municipal Technical School, applying for recognition by the Society of their courses in chemistry, etc.

Mr. WELLS said he supposed they would give the same reply to those institutions that they had done to others recently.

Mr. CONNOR said that in Newry they had one of the best-equipped technical schools in the country, and he thought the Society ought to recognise it.

Mr. WELLS: What equipment have they for teaching pharmacy?

The PRESIDENT: Newry applies for chemistry only.

The REGISTRAR: For chemistry and physics.

Mr. CONNOR: The Newry School has been recognised by the Department of Technical Instruction, and the Department would not give a certificate of merit unless the school was really well equipped.

Mr. WELLS: We have refused Derry, Limerick, and other schools of late, and we must refuse these also.

Mr. CONNOR: The authority of Newry Technical School will undertake to have classes specially for pharmaceutical students.

Mr. WELLS: How many apprentices would you have in Newry?

Mr. CONNOR: We would have a dozen at least. It is great expense to many of these country apprentices to have to come to Dublin to take out chemistry and other subjects that they could get at home.

The PRESIDENT: I believe Newry has one of the best-equipped schools in the country.

Mr. WELLS: If we granted the Newry application, we would have to go back on the question of Derry.

Mr. CONNOR: I don't see why the Derry school should not be recognised. Derry is a very large centre.

Mr. WATSON: We founded our school here—the Pharmaceutical Society's School—at a time when there were no facilities throughout the country for the teaching of chemistry, and even now I believe that the students here get a special training that they cannot get in the technical schools. Besides that, the Society could not supervise the teaching in these schools all over the country, and if they began to accept schools in this general fashion they must accept everyone that applies for recognition.

Mr. CONNOR said that the Department would not recognise a school that was not up to a high standard as a technical school.

Mr. WELLS said it was only general chemistry that was taught in the technical schools, and the man who was trained in such a school was not as good as the man who got a pharmaceutical training.

The PRESIDENT said it would be a good thing if all apprentices went through the technical school first, and then came to the Society's school to get pharmaceutical chemistry. It appeared to be the feeling of the Council that none of these applications should be granted.

Mr. CONNOR said it ought not to be shelved entirely. He would propose that the applications be adjourned for six months.

Mr. WATSON thought the proposal of Mr. Connor a very fair one; it would save the Council a lot of trouble in the intervening six months. (Laughter.)

Mr. BEGGS seconded the proposal of Mr. Connor, and it was agreed to.

MISCELLANEOUS.

Messrs. W. R. Thornhill (a matriculate of the late Royal University of Ireland) and C. Caffrey and A. E. Orr (who had passed Intermediate Board examinations) wrote desiring preliminary registration.

Dr. C. J. B. Dunlop, Messrs. W. Corridan, T. M. O'Connor, J. F. O'Neill, and J. F. Young, Ph.C.s; D. Blackwood, A. M. Dougan, J. A. M. MacCormac, T. J. May, A. Taggart, and G. W. Walker, R.D.s, wrote notifying changes in their addresses.

Reports were read from the Law Committee, the Certificates Committee, the Declarations Committee, the House Committee, and the School Committee.

MEMBERSHIP.

On the motion of the HON. TREASURER, seconded by the VICE-PRESIDENT, the following gentlemen were elected members of the Society: Mr. Michael John Foley, Ph.C., 136 Great Britain Street, Dublin; Dr. Walter J. Healey, Ph.C., the Dispensary, Grand Canal Street, Dublin.

On the motion of Dr. WALSH, seconded by the HON. TREASURER, Mr. Joseph Kilpatrick, Ph.C., The Diamond, Londonderry, was nominated for membership.

Examinations.

THE Preliminary examination of the Society was held on April 7 and 8, when twenty-nine candidates (thirteen of whom were for re-examination) entered, twenty-seven were examined, seventeen failed, and the following ten passed: Ernest St. John Whelan, Rathkeale, co. Limerick; Alexander Templeton, Portaferry, co. Down; Mary Theresa Nugent, Rathowen, co. Westmeath; Thomas Patrick Blake, Limerick; Robert Henry Kerr, Ballymena; Philip Brady, Oldecastle co. Meath; Jeremy Kingston, Clonakilty, co. Cork; Mark Huston McCormick, Castleconnell, co. Limerick; James Meban, Broughshane, Ballymena; Patrick Joseph Kennelly, Listowel, co. Kerry.

The Registered Druggist examination took place at Dublin on April 12, three candidates presenting themselves; and at Belfast on April 13 there were nine candidates.

The Pharmaceutical Licence examination was held on April 13 and following days, when thirty-two candidates (twenty-three of whom were for re-examination) attended.

The Pharmaceutical Assistant examination is to be held on Monday, April 18.

Mr. W. S. GLYN-JONES is "one of the most daring [opponents] in every respect whom Stepney Conservatives have had to deal with," says the Council of the Stepney Conservative Association in the annual report.

Photographic Exhibition.

THE Royal Horticultural Hall, Westminster, is this week the scene of an exhibition of photographic apparatus and chemicals. The exhibition was opened by Lord Redesdale, President of the Royal Photographic Society, on April 9, and remains open until April 16.

CAMERAS AND LENSES

naturally form the bulk of the exhibits. Many of the firms who are showing are known to the drug-trade as wholesalers, but several of the exhibitors are retailers—in fact, the exhibition seems to have been projected for novices, as the catalogue begins with a page of definitions of plate, lens, camera, etc. Small cameras are perhaps the feature of this section. GAUMONT & Co. show their "Blocknote" and "Spido" cameras, while the "Ensignette" is the name of a small folding camera exhibited by Houghton's. W. BUTCHER & SONS, LTD., are showing the "Carbine," "Klimax," and "Camco" camera, each pattern being made in several sizes. A. E. STALEY & Co. specialise in the "Nettel" cameras and "Suter" lenses. The "Nettel" cameras, which are made at Sontheim, in Germany, have a peculiar adjustable lazy-tongs extension, and are very easy to open. J. H. DALLMEYER, LTD., have arranged an exhibit in one of the alcoves showing the various stages in the manufacture of a lens, and on their stand in the body of the hall give a further insight into the subject by exhibiting test-plates worked for plane and curved surfaces to $\frac{1}{1000}$ of an inch. We noted a convenient calculator for the telephoto lens, which gives automatically the camera extension required for any magnification. A similar idea is also employed in an enlarging calculator. WATSON & SONS, LTD., have a good display of cameras, the most recent being the "Argus" reflex and the "Vril" focal plane hand-camera. MARION & Co., LTD., show cameras, dry-plates, and papers, also "Hypono," a substance for eliminating sodium hyposulphite from plates and paper. Other exhibitors in this section are J. THEOBALD & Co., SHEW & Co., THORNTON-PICKARD MANUFACTURING Co., LTD., ADAMS & Co., NEWMAN & GUARDIA, LTD., and RAJAR, LTD.

PLATES AND PAPER.

Manufacturers are somewhat poorly represented as regards novelties, which is not surprising when one considers the perfection already attained in this department of photography. The use of "Enitone" and "Sloga" papers are being demonstrated at intervals during the day, and J. J. GRIFFIN & SONS, LTD., are showing the working of "Noc-tona" paper. WELLINGTON & WARD's stand is attractive by reason of the beautiful specimens of photographs with which it is adorned. L. TRAPP & Co., in addition to their matt albumen paper, show the working of their system of dry-mounting. The PAGET PRIZE PLATE Co., LTD., demonstrate the use of phosphate paper, and also exhibit the "Prize" plates. The ADHESIVE DRY MOUNTING Co., LTD., are giving demonstrations of their system of mounting photographs. The LETO Co., LTD., handle Edwards' "Iso" plates and "Seltona" paper as their chief lines. In an alcove ELLIOTT & SONS, LTD., have arranged an exhibit of the ingredients used in making dry-plates—gelatin, silver nitrate, potassium iodide, ammonium bromide, etc.—and near by WRATTEN & WAINWRIGHT, LTD., have a showcase chiefly devoted to filters used in tricolour photography. LUMIERE N. A. Co. have a special room upstairs for the display of autochromes.

CHEMICAL PRODUCTS

are shown by BURROUGHS WELLCOME & Co., whose chief novelty is a series of solid photographic stains for procuring firelight and other colour effects. The stains are obtainable in red, yellow, green, blue, and salmon tints. "Rytol" developer is also a feature of this firm's exhibit, the compactness of the tabloids being made apparent by contrasting in size the bottle of tabloids and the bottle of solution which results when the developer is made up for use. "Rytol" can be used for autochromes. A new booklet, "How and Why in Photography," is offered to photographic chemists for distribution to customers. In another part of the hall a small showcase is filled with the "Wallgrove" photo-chemicals, and not far off J. E. LOCKYER has a good show of

developers and other photographic preparations. Lockyer's "Photo-tints" for colouring photographs are now obtainable in larger size bottles. REITMEYER & Co. are showing the "Geka" specialities, the most interesting being the flash-light cartridges, torpedoes, and flash-bags. CHAS. ZIMMERMANN & Co., LTD., exhibit the "Agfa" developers now made in England at the Berlin Aniline Co.'s works, Manchester. At this stand is also shown an ingenious adaptation of the steel and flint idea for igniting flash-powder. A toothed metal wheel is wound up, and when released rapidly revolves against a piece of metal selected on account of a special facility with which it gives off sparks when struck. A. & M. ZIMMERMANN exhibit Schering's chemicals, including "Duratol," "Satrapol," and "Citol" developers. "Satrapol" is used like metol with hydroquinone. JOHNSON & SONS show developers, toners, and intensifiers in various forms. "Azol," a concentrated developer, is stated to have been altered in composition so that its keeping properties are improved.

ACCESSORIES.

The AEROGRAF Co. are showing how photographs can be coloured and finished by the aerograph spray. DAVID ALLAN exhibits many photographers' accessories, including dishes, draining-racks, and the "Mansfield" developing and changing box. The GALVANIT MANUFACTURING Co. demonstrate the galvanit method of tin, nickel, and cadmium plating. SANGER-SHEPHERD & Co., LTD., show apparatus for producing natural colour photographs by the tricolour method. VAN NECK & Co. specialise in photographic metal-work, and the WESTMINSTER ENGINEERING Co. exhibit various electric lamps adapted for photographic purposes.

There are also exhibits of photographs—portraits and survey work—while upstairs demonstrations are given during the day on spirit-photography and cinematography. The Professional Photographers' Association is also in session during four days of the exhibition.

Photographic Notes.

(By a Pharmaceutical Camerist.)

The Sharpest Possible Image.

WITH this object it is usually recommended to focus at open aperture and then stop down, but it should be borne in mind that this is true only if the lens is perfectly free from spherical aberration. Using the ordinary type of rapid rectilinear lens it is safer to advise focussing at about F 16, then stopping down enough to get the required definition.

Titles on Negatives.

MANY methods have been suggested for printing titles on negatives, but one of the neatest processes I have seen was shown me recently by a customer. The title was written on a piece of transparent paper with waterproof ink, then the film of the negative was wetted and the title pressed face downwards in contact with it. The result was perfect.

Combined Toning and Fixing.

THIS formula, given by a writer in the "British Journal of Photography," is said to produce a tone indistinguishable from a separate solution tone:

Water	...	...	10 oz.
Gold chloride (1 gr. to 5j.)	...	...	2 dr.
Lead nitrate	...	...	10 gr.
Sodium hyposulphite	...	...	4 oz.

Dissolve in this order and add lastly:

Powdered French chalk	...	...	$\frac{1}{2}$ oz.
Water	...	...	10 oz.

This quantity will tone nine whole-plate sheets of P.O.P. or a corresponding number of smaller sizes—which seems rather a lot for two grains of gold chloride. The prints are toned without previous washing and washed for three-quarters of an hour afterwards.

CARR'S OLD PREMISES at the corner of High Holborn and Drury Lane, London, W.C., remembered by many as one of the historic dispensing houses, are for sale on a building lease. The property forms part of a block belonging to the trustees of St. Martin-in-the-Fields pension and almshouse charity.

Westminster Wisdom.

A Record of Parliamentary Progress.

THE PARLIAMENTARY SITUATION.

The Budget of last year (1909-10) will be re-introduced with the necessary modifications and alterations on Tuesday, April 19, preceded on the previous day by the passing of the Guillotine Resolution, by means of which its passage through the House of Commons is to be expedited. At the same time the resolutions imposing the income-tax, tea and spirit duties will be legalised. The debate on the Finance Bill may be expected to be brought to a conclusion on the following Thursday, although there is a possibility that it may be extended somewhat beyond that date. On Thursday week it will make its appearance in the House of Lords, and on the following day it is believed that both Houses of Parliament will adjourn for the spring recess. When Parliament reassembles the Budget for 1910-11 will be introduced in the House of Commons, and at the same time the peers will be considering the Veto Resolutions which will have been sent to them from the Commons.

THE QUESTION OF RADIUS AGREEMENTS.

Mr. J. A. Seddon, M.P., is again introducing his Restraint of Trades (Shops) Bill, which has figured on the order paper in previous sessions, and which deals with what are known as radius agreements. The operative clause is the first one which seeks to render null and void certain provisions in shop assistants' agreements, and which is as follows:

"Any agreement whereby a person employed in a shop shall be restrained after the termination of such employment from being engaged as servant, assistant manager, or traveller, wholesale or retail, in any trade or business, either directly or indirectly, shall be null and void in so far as the same imposes, or purports to impose, such restraint, and not otherwise."

The word "shop" has the same meaning as in the Shop Hours Act, 1892. Mr. Seddon is also introducing the Compulsory Character Note Bill which was brought forward by Mr. Richard Bell on behalf of the Amalgamated Society of Engineers.

Agri-Horticultural Licences.

(Poisons and Pharmacy Act, Sec. 2.)

Notices of Application.

DENBIGHSHIRE.—Hugh T. H. Petters, Post Office, Llansilin, Oswestry.

LANARKSHIRE.—Samuel Cassels, ironmonger, 8 Barn Street, Strathaven.

LONDON.—William Parton, Ltd., ironmongers, 94 and 95 Queen Street, E.C.

MAIDSTONE.—F. J. Neale (manager to George Mence Smith), general merchant, 19 High Street.

Applications Granted.

CASTLE DOUGLAS.—The Town Council have granted the applications to the following ironmongers: McGuffog & McDonald, Davidson & Crighton, and Robert C. Brown. Four local chemists strenuously opposed the issue of the licences, but without avail.

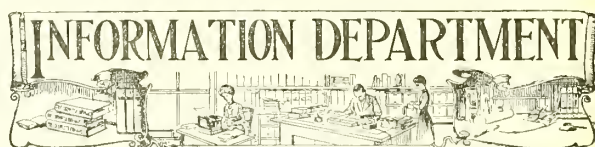
Renewals.

BRADFORD.—The Corporation Watch Committee have decided to renew all the poison-licences granted last year.

SHEFFIELD.—The Watch Committee of the City Council have recommended the renewal of three poison-licences until April 1, 1911.

THE ULTRA-VIOLET RAYS, in the presence of air, stop the acetic fermentation of wine. Barillé ("Journal de Pharmacie") proposes to sterilise milk by means of the ultra-violet rays, which have no effect on the carbonophosphates usually dissociated when milk is pasteurised.

A BROMLEY CHEMIST evidently does not intend to allow his trade in weed-killer to slip from his hands, since one of the windows of his double-fronted pharmacy is filled with various brands of this commodity. The issue of poison-licences was strongly opposed in this town, and one of the poison-licences, an ironmonger, is in business directly opposite. One or two cans constitute this firm's sole display of the horticultural requisites, and are somewhat lost among the other goods.



Postal Address:

C & D. INFORMATION DEPARTMENT 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS LONDON."

Telephone No.: BANK 852 (two lines).

The object of this Department is to supply names and addresses of Manufacturers of, or Agents for, goods pertaining to the Chemical, Drug and Allied Trades. The "Buyers' Guide" in each issue of "The Chemist and Druggist" affords much information, but enquiries for anything not referred to therein may be addressed to this Department. Replies will be furnished immediately, or inserted in this section free of charge.

INFORMATION WANTED.

We would be obliged if any reader would reply by postcard or telephone to one or other of the subjoined enquiries.

- 131/64. "Mascot" perfumes: agents or suppliers.
- 135/50. Makers of "Lister's Formic Fumigators."
- 133/65. Actual makers and exporters of perfume sprays.
- 137/50. "Formomal" tablets (Weinburg): where obtainable?
- 133/30. Source of supply of "Dr. Nansen's Feeders" and "Bil Tong Syrup."
- 134/59. Who are the agents in this country for the "Keep-clean" hair-brushes, made by the Florence Manufacturing Co. of U.S.A.?

INFORMATION SUPPLIED.

During the past week we have answered enquiries regarding the following articles. The information will be repeated to any other enquirers who send to the Department a stamped and addressed envelope for the purpose.

- "Abortine," makers (132/15).
- Babbitt's potash lye, supply (131/71).
- Bacterial vaccines, makers (131/72).
- Ballard's snow liniment, makers (133/30).
- Benbow's hair-wash, maker (132/61).
- Cardboard specialties, makers (133/55).
- Cartons and showcards, makers and designers (134/24).
- Cash - tills (special), makers (128/39).
- Chinese artichokes (starch-free food), suppliers (126/44).
- Copper sulphate, manufacturers (130/54).
- "Dorset" lavender, makers (134/16).
- Emulsifiers (small), supply (129/68).
- "Exol," makers (131/70).
- Glass tubing, wholesale supply (134/4).
- Greenhouse fumigators, makers (133/43).
- Henna Extract, suppliers (132/34).
- Hypnone hair-cream, supply (130/72).
- "Keep Clean" hair-brushes, makers (132/57).
- "Laxoin Colloids," makers (131/66).
- "Mascot" perfumes (American), makers (131/64).
- Machinery for filling soft gelatin capsules with powder, makers (130/42).
- Mercury in original bottles, wholesale supply (133/2).
- Mining assay apparatus, supply (133/2).
- Mining chemicals, makers (133/2).
- "Mortin" insect - powder, supply (126/47).
- "Panama Bomb," supply (134/49).
- Pospiszil stencil apparatus, maker and supply (131/20).
- Prospector's blow-pipe outfits, supply (133/2).
- Quenzer (New York), address of agent (134/231).
- Soda-fountains, makers (130/53).
- Soxhlet's milk sterilizers, makers and supply (133/29).
- Suppository machines, makers (Belgian inquiry) (132/56).
- "Sweet" pepper for caucaries, supply (132/68).
- Swing stoppers, makers (134/50).
- Tablet machinery, makers (Continental inquiry) (135/62).
- Tin-labelling paste, makers (132/43).
- Wicker-covered perfume bottles, makers (134/16).
- Window - dressing specialist (132/6).

APPRECIATIONS.

Many thanks for the trouble you have taken to obtain the information I requested of you, and your promptness in answering (130/24).

We thank you for your favour of the 6th, and, in common with many other of your subscribers, can assure you that your Information Department is much appreciated (130/11).

THE WAREHOUSE of Messrs. F. H. Faulding & Co., wholesale druggists, Perth, Western Australia, has been partially destroyed by fire.

METHYLATED SPIRIT PREPARATIONS.—With reference to the letter in the C. & D., April 9, p. 541, regarding the preparation of a hair-wash with mineralised methylated spirit, we are officially informed that it is advisable that each person who desires to use the privilege should apply to his local Revenue office or direct to the Board of Customs and Excise for authority. This is purely formal, but none the less necessary.

Observations and Reflections.

By Xrayser II.

The Resignation of Mr. Walter Hills

severs a connection that has subsisted between the Pharmaceutical Society and the historic firm of John Bell & Co. uninterruptedly since the foundation of the Society, and to many it brings a touch of sadness. Mr. Hills is a man of sterling honour, strong common sense, and entire absence of "side." These qualities so impress everyone who has dealings with him that one is unconsciously led to think that his view of any pharmaceutical question is much more likely to be right than wrong. Pharmacists who in the past have backed Mr. Hills have very seldom had to confess that they had put their money on the wrong horse.

Mr. R. Goodwin Mumbray's Letter

comes to a town-dweller like a breath of spring from a country lane; but I am sorry to hear him say that *Ranunculus ficoides* (*R. ficaria*?) is incorrectly called the lesser celandine. Why incorrectly? The name has become thoroughly popular, and popular plant-names make no pretence to be scientific. If the reason is that this name suggests cousinship with *Chelidonium majus*, a similar objection might be made to "pilewort," which has been given to one of the scrophularias, and to dozens of other names that are given to flowers that have no relation to one another. But, apart from this, "pilewort" is an ugly name for such a lovely flower; and as the plant is no longer used in medicine it may surely be allowed to keep the prettier one it has enjoyed for at least 500 years, and probably from a much more ancient date—the name under which Wordsworth addressed to it three of his most beautiful poems.

A Serum Famine

would be a most painful experience, now that we depend so much on antitoxic serums in certain diseases, and not a few readers of the daily Press ten days ago got something of a shock when they saw that a sufferer from lockjaw had been without serum treatment for two days because no antitetanic serum could be got in England. The general public does not know much about serum, but it has a vague idea that in lockjaw it is the only available cure, and if this sort of thing were to recur frequently there would be such an outcry that serious public notice would need to be taken. Pharmacists felt sure that there was a blunder somewhere, and that it could not possibly be true that three or four great London firms were all alike sold out. How is it that such statements are formulated? Are they the noise that heralds retreat, or a germ of fact isolated from context that expresses truth of a different character?

The "Retrospect" of April 1860

recalls to mind an attempt at early closing in Liverpool some twelve years after that date. It was proposed at a specially convoked meeting of the trade that all shops should be closed at 9 p.m., and the almost universal opinion was that this was quite feasible. A resolution to that effect was eventually carried, and for awhile the principal pharmacies in both town and suburbs were closed at the hour agreed on. I remember watching with great amusement the proprietors of two contiguous, or nearly contiguous, shops putting up their shutters the first night, each watching to see what the other would do. First one brought out a single shutter, and waited for his neighbour to do the same, and so by alternate stages they

both effected a complete closure by about 9.30. In a few weeks everybody was open until 10.30 as aforetime, except those who kept open until eleven or later.

The Chemist in Fiction

is not more happily hit off by the daily newspaper novelist than by more famous men recently referred to in this page. In "The Gates of Healing," now appearing in the "Daily Chronicle," the author (Evelyn Claire) tells how a woman, hurt in a street accident, is escorted by a ubiquitous doctor to an adjacent shop, the window of which "displayed the old-fashioned green and red magic jars of a chemist." "The queer old shop," which "assuredly should long since have been swept into the limbo of forgotten things before the broom of some great drug-store," is attended by "a wizened, deaf, old man," and the physician is made to wonder how the latter can possibly make the rent of the establishment "out of his sales of the antiquated stuff that filled his dusty show-cases." The lady recovers after sipping some brandy, and asks her attendant to request the "chemist to whistle for a cab; he's sure to have a whistle." After this touch of modern life an incursion into ancient pharmacy again follows for the young doctor in after-life never forgets "the antiquated shop with bunches of herbs hung in dusty strings down the panelled walls," while he is struck by the odd juxtaposition of a "broken plaster cast of a weeping angel, under a fly-blown glass case," flanked "by a tall, red-capped, leering Mephistopheles" advertising some photographic fluid. Without warning the reader is switched into the chemist's parlour. The table in this domain is littered with price-lists and bills, and the atmosphere is redolent of sandalwood. Where in London can this extraordinary pharmacy be?

Round-worm to Ryze

is the scope of the new double section of the "Oxford English Dictionary," but it contains comparatively little that is of special interest to pharmacists. Such words as Round-worm, Rubeola, Rupture belong rather to the domain of pathology than to that of pharmacy; Rubidium, Ruthenium, Rutile, and the other names relating to chemistry that are here dealt with have not much history behind them, and to class Rud and Runnet among pharmaceutical terms would be somewhat *infra dig.* Rubber, for india-rubber, perhaps deserves mention: it dates from 1788. Roup (the poultry disease so called) has some interesting quotations—e.g., this from Lyte (1551): "Garlyke is also good for the pype or roup of hennes and cockes, as Pliny writeth"; and the latest one, dated 1858, "Baily's roup pills are almost universally known and appreciated." Under Ruby there is no quotation illustrating the stone's ancient reputation as a resistor of pestilence (see Culpeper); and although we are told under Ruscus (butcher's broom) that birch tar, often sold as ol. rusci, is not made from ruscus, nothing is said of the former use of this herb as an aperient, diuretic, and emmenagogue. The article on Rue (*ruta*) is more important. In Old English and Old French this appears as *rude*, thus approaching more nearly to the Latin. The herb had formerly an extraordinary vogue in medicine, and found a place in every garden. One of its names was herb-grace. The last quotation given in illustration of its actual use in medicine is dated considerably more than a century ago. I remember well being dosed with it every spring, whether I required it or not. Rupturewort and Ruds (marigold) are other medicinal plant-names dealt with in this instalment. The once-famous depilatory Rusma, here defined as a compound of orpiment and lime and said to be now only used in tanning, also occurs in it. The name is noted as apparently Turkish; Sandys, in his "Travels," calls rusma itself a mineral of Cyprus, and Lemery speaks of it as abounding in Galatia and used as a depilatory among the Turks.

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Editorial Articles.

Administration of Anæsthetics.

THE report of the Coroners' Committee, which was appointed in 1908 to inquire into the question of deaths resulting from the administration of anæsthetics, has just been issued. The Committee consisted of Sir Mackenzie Chalmers (Chairman), Sir Malcolm Morris, Sir Horatio Shephard, Sir Thomas Bramsdon, and Dr. W. H. Willcox, and among the witnesses examined were Dr. Hewitt, Dr. Dudley Buxton, and Dr. Silk (leading London anæsthetists), Sir Victor Horsley, Mr. Pepper (St. Mary's Hospital), Mr. Clinton Dent (St. George's Hospital), Sir Lauder Brunton, Dr. Waller, Mr. Matheson, and Mr. Tomes (the last two being dentists). The Incorporated Society of Extractors and Adaptors of Teeth, Ltd., also gave evidence through Mr. Butterfield and Mr. Bowen, and the views of the General Medical Council were given by Sir Donald MacAlister. The last-named gave evidence as to the steps taken by the G.M.C. to make the study of anæsthetics a necessary branch of the medical curriculum. That anæsthetics has no part in the curriculum will surprise many, and this fact probably weakened the medical claim to have the monopoly of the administration of respirable anæsthetics. The main findings of the Committee are as follows:

- (1) Every death under an anæsthetic should be reported to the coroner, who, after inquiry, should determine whether it is desirable to hold an inquest or not.
 - (2) In the case of every death under an anæsthetic the medical certificate of death should specify the fact, whether the anæsthetic was the actual cause of death or not.
 - (3) No general respirable anæsthetic should be administered by any person who is not a registered medical or dental practitioner.
 - (4) Registered dentists should be confined to the use of nitrous oxide gas for dental operations, and should not employ the general respirable anæsthetics of longer duration.
 - (5) Intra-spinal anæsthesia should be practised only by registered medical practitioners.
 - (6) Practical and theoretical instruction in the administration of anæsthetics should be an essential part of the medical curriculum.
 - (7) Such instruction in the administration of nitrous oxide gas should be an essential part of the dental curriculum.
 - (8) In the case of any death under an anæsthetic in a hospital or other similar public institution, there should be a scientific investigation into the actual cause of death conducted by the authorities of the institution.
 - (9) A small standing scientific committee on anæsthetics should be instituted under the authority of the Home Office.
- Dr. Hewitt put before the Committee some statistics regarding the deaths from anæsthetics, but it is pointed out that no absolute deductions can be drawn from these figures, although it is admitted that there is an increasing number of deaths under anæsthetics, and the opinion is held by some experts that a certain number of these deaths are due to preventable causes. The administration of anæsthetics is at present uncontrolled, and it is recommended that the administration of general respirable anæsthetics should in future be confined to registered medical men and dentists. The last-named are to be limited (it is suggested) to the use of nitrous oxide gas. The fact that the Secretary of

the Society of Extractors and Adaptors of Teeth placed statistics before the Committee to show that there had been 1,249,167 administrations of general anæsthetics by members of that Society, with only one fatal accident, and that from ethyl chloride, only influenced the Committee in the direction of allowing registered dentists to employ nitrous oxide. It is advised that unregistered men should not be allowed to continue to use respirable anæsthetics. The evidence, however, went to show that cocaine injections are replacing general anæsthetics, and it is not proposed to interfere with this practice—a decision arrived at after some hesitation. This does not apply to intra-spinal injections, which, as noted above, are to be restricted to registered medical men. A Standing Committee on anæsthetics is proposed, which could fulfil the following functions:

(a) To collect information from all sources, and to digest it when collected.

(b) To report from time to time on any advance made by the discovery of new anæsthetics, or by improved methods of administration.

(c) To direct chemical, toxicological, or physiological researches for the purpose of testing new discoveries or elucidating doubtful points.

(d) To make their information available to the medical profession in a convenient form, and at small cost.

The conclusions of the Committee are, on the whole, reasonable. Sir Luke White, the only coroner in the House of Commons, informs our representative that the recommendations if carried into law would, in his opinion, afford some measure of protection to the general public. The curriculum recommendations could be carried into effect almost at once, but other recommendations will require legislation. Sir William Collins, one of the medical men in Parliament, holds that the report justifies his action in backing the Bill introduced by the late Dr. Cooper. The features brought out by the report are the lack of accurate information regarding the relative dangers of respirable anæsthetics, and the absence of trustworthy statistics of deaths stated to be due to the administration of anæsthetics. These alone would justify the appointment of the Standing Committee, and perhaps when it is provable that a sufficient number of medical men are capable of administering anæsthetics it will be time to take steps to confine the administration to members of the medical profession. Without special knowledge of the subject it does not seem justifiable to claim for medical men a monopoly of the administration of anæsthetics and deny it to dentists who have at least as much training in the use of anæsthetics.

The Quarter's Trade.

THE Board of Trade Returns for March (to which we referred briefly last week) continue the satisfactory record which has prevailed this year. Indeed they are better than what appears on the surface, since the Easter holidays were included in the past month, while last year they fell in April. The quarter's improvement in exports (over twelve millions sterling) has wiped out the deficits of the last two years, and the increase in imports for the quarter (almost $9\frac{1}{4}$ millions sterling) is also satisfactory. In imports during March the increase is 6,107,000*l.*, or 11 per cent., in which practically every branch of business has shared, the notable exceptions being grain and flour, tobacco and raw cotton. Raw materials were four millions better, and manufactured goods almost a million more, the chemical items rising by 66,545*l.* to 1,050,800*l.*; out of eighteen scheduled items in the manufactured group, thirteen are on the up grade. The increase in exports in March was 2,487,000*l.*, or 7.7 per cent., a lower rate than in January or February, this being accounted for by the fewer

working days. The feature here is the advance in manufactured goods by 2,320,000*l.*, and this in spite of the fact that new ships (always an irregular item) were 625,000*l.* less. Cotton goods were responsible for 466,500*l.*, woollens for 760,000*l.*, and apparel for 230,000*l.*; the electrical industry appears to have had a boom, the increase being practically 600,000*l.* Curiously, chemicals record a shrinkage of 14,712*l.*, which is insignificant. Turning to the figures for the quarter the results are summarised as follows:

	£	1909	1908
Imports ...	165,132,394	+9,223,152	+4,300,895
Exports ...	100,886,545	+1,154,372	+1,618,502
Re-exports...	26,775,712	+4,074,405	+6,715,575
	292,814,649	+25,451,927	+12,634,972

These are wonderful figures, and in spite of peculiar financial conditions it looks as if the records of 1907 are to be exceeded. The outstanding features of the quarter's imports comprise 4,683,500*l.* more for food, drink, and tobacco, although the meat imports were valued at 411,000*l.* less. Raw materials show a gain of only 1,260,000*l.*, due to considerably reduced raw-cotton imports (5,742,600*l.* less). Wool increased by 1,653,500*l.*, and oil-seeds, etc., by 1,037,800*l.* In manufactured goods there are fair all round gains amounting to 3,243,700*l.*, included among which is an increase of 252,300*l.* in the chemical group, which stands at 2,754,966*l.* The bulk of the advance in exports has been in manufactured products, the increase being 11,287,000*l.* In this foodstuffs and raw materials represent together less than a million sterling. In the seventeen items of manufactured commodities only one—machinery—shows a decline. Cotton and woollen fabrics are 5 millions up, iron and steel manufactures 1.2 million, new ships 920,000*l.*, electrical goods 687,500*l.*, and apparel 677,500*l.* These are the largest advances, but none the less important is that in chemicals, which are 233,046*l.* better, compared with 1909, but 136,000*l.* less, compared with two years ago, the figures being as follows:

	1908	1909	1910
£	£	£	£
4,632,264	4,213,219	4,496,265	

The "heavy" items, such as bleaching materials, chemical manures, soda compounds, etc., show up well, but copper sulphate continues the reaction noticed earlier in the year, the quarter's exports amounting to 11,996 tons, against 18,234 tons and 34,078 tons in 1909 and 1908 respectively. Drugs and medicinal preparations at 415,863*l.* are 26,000*l.* better. Quinine and quinine salts continue to do well, exports being 86,000 oz. more, and for the sake of convenience we bring the quarter's imports and British and foreign exports together as follows:

	1908	1909	1910
oz.	oz.	oz.	oz.
Imports ...	315,554	540,237	857,674
British exports ...	171,569	264,659	350,753
Foreign-made exports ...	23,996	25,443	14,642

Values do not improve, however, the quarter's export business being entered at 13,715*l.* (British) and 393*l.* (foreign). Prices seem unalterable, and while speculation is centred on rubber, there is no hope for quinine. Exports of opium, dried and powdered, in the United Kingdom were 1,447 lb., valued at 1,049*l.* The high price of glycerin has affected the export trade, crude having declined by 12,484 cwt. to 22,004 cwt., and refined by 2,318 cwt. to 18,294 cwt.; the coal products (not dyes) section is well maintained at 446,210*l.*, tar oil and creosote showing most prominence. Quicksilver exports show a fall, while imports have considerably increased to 1,311,792 lb., thus accounting for the easy tone of the metal, the production of which, as we show in our Trade Report, is increasing, apart from

Spain. In "outside" articles the remarkable expansion in indiarubber is a feature of the month, the total imports amounting to 80,251 cwt., against 64,928 cwt. in March 1909, say, 25 per cent. more, while the value was double—viz., 2,287,500*l.*, against 1,140,300*l.* Since the commencement of this year the imports of rubber have advanced from 172,650 cwt. to 215,000 cwt., and the value to 5,739,700*l.* against 3,055,700*l.* During the three months the re-exports were 133,670 cwt., so that 81,350 cwt. was retained in this country. Another feature of the returns is the imports of motor spirit, which rose from 2,622,400 gals. to 3,621,800 gals. last month, while in value the shipments were more than double those of last year, figuring at 106,000*l.*, as against 44,400*l.* In regard to this item it is interesting to note that duty has been paid or deposited on 8,731,729 gals. during the three months ending March.

Opium and Morphine in India.

THE recent Budget speech of Sir Flectwood Wilson, as intimated in these columns a fortnight ago, contained an extended reference to India's policy in regard to the progressive reduction of opium exports to China, from which it is apparent that the agreement into which the British Government entered with China on behalf of India is being faithfully carried out. Whether China is doing so or not it would be difficult to say, inasmuch as it is impossible to obtain an accurate estimate of progress or otherwise. The contradictory nature of the reports which have been received indicates the necessity of a uniform investigation of existing conditions, which it is suggested should be carried out by capable officials acting under the instructions of the British Government. That China is not entirely inactive is shown by the fact that (according to a "Times" telegram of April 2) a riot recently occurred between the military and opium-growers in the Shansi province, in which sixty persons were reported to have been killed as the result of a pitched battle. Unless it can be conclusively shown that China has been successful in suppressing the cultivation and consumption of opium, the Indian Government may eventually agitate for the agreement to be reconsidered. The proposal of the Government to "impose an adequate duty on morphia and its congeners when imported, otherwise than as ingredients in recognised medicines," as mentioned a fortnight ago, is one of considerable interest to British and foreign morphine-makers, but what the proposed duty is to be is not known at the time of writing. The present duty is 5 per cent. *ad valorem*, but, as far as can be calculated, the specific duty may be at least 1*s.* per oz. It will be remembered that some years ago the Imperial Institute shipped to India, on behalf of the Government, complete and up-to-date plant for morphine-making, but its existence is enveloped in mystery. Small parcels of comparatively pure morphine salts made in the Government opium factories have occasionally been heard of, and the medical stores may probably absorb most if not all that is produced, but there has been no extensive manufacture of the opium alkaloids. The enforcing of prohibition of narcotic drugs through the control of imports and of consumption has proved a matter of extreme difficulty to India, but undoubtedly consumption has received a check. Morphine imports into India are not given in the official tables; but those of cocaine, which have just been published, are as follows:

1904-5	1905-6	1906-7	1907-8	1908-9
oz.	oz.	oz.	oz.	oz.
5,431	2,842	1,771	1,946	1,993

These figures, however, are only approximate, as there is no doubt that evasion of the regulations for importation does take place.

Virol Window Competition.

We have received a number of photographs of Virol windows which won prizes, and some that did not. Several of the competitors express surprise at the results, thus one (136/66) says "Our grievance is that the original advertised conditions upon which the windows would be judged were 'attractiveness, originality, and excellence.' Now Virol, Ltd., announce that they have judged by 'selling power.'" It is suggested that photographs of the first four prize windows should be printed in the *C. & D.* by Virol, Ltd., so as to enable all to compare.

"Olive Oil."

We report to-day another olive-oil case from Northampton, and desire to emphasise the importance of the proceedings, as they are the first of what may be a series of such prosecutions. The case was under the Merchandise-marks Act, and the offence was selling as "best olive oil" an article which was a mixture of olive oil and nut oil. The summons was dismissed on condition that the defendant paid costs. It is expected that similar cases will be brought against all dealing in adulterated olive oil coming under the notice of the authorities, who will push their procedure right down to the brokers or importers who sell mixtures of nut oil and olive oil as "olive oil." It is difficult to get at brokers and importers through the Sale of Food and Drugs Acts, but not at all difficult through the Merchandise-marks Act, as some are likely to learn ere long.

"Adventures and Excursions."

(Vide "*C. & D.*," April 9, p. 542.)

DAME PHARMACY once, in the gorgeous days
When foibles and fees were a-plenty,
Took the lead with a dash, and was girdled with praise,
Like a maiden of sweet one-and-twenty;
She flirted with baronets, courted staid earls,
And haunted the Highest in Science,
Dined daily with Nobs, who bestrewed her with pearls
Of fine speech—quite a cupboard alliance.
She was told She was great, She was told She was fair,
And She ever was keen to believe it;
She swallowed it all with a mien *débonnaire*,
That showed She'd a right to receive it.
She had thrilling adventures in love and in war,
But cynics cast many aspersions
On frivolous methods of gilding the star
When She essayed business excursions.
Full often She tripped to the Parliament House
To be-charm the great men in the Lobby,
And Her worshippers boasted of how She would rouse
The whole country to take up Her hobby;
But Jesse was first, and had nobbled the plum
While the Dame was in slumber reposing,
And Her children with joy were (I don't think) struck dumb
When She showed them her Bill—so imposing.
Now her coffers depleted, She really must turn
To the question of getting more money;
So She starts out to frighten the Children, and stern
Are the measures to gather the honey.
Many must be "restored," *All* must send up a fee—
"Just a shilling for this bit of paper;
If you don't, something dreadful will happen, you'll see:
You'll be curst by the Bill, Book, and Taper!"
So the Lambs sent their shillings and swelled up the Flock,
But expenses grow greater and greater,
And harrowing wrecks on the publishing Rock
Have be-wrinkled disconsolate Mater.
For tragedy deepens as Families grow,
And feeding with Leaflets expensive
Must be done now by hand, for the postage, you know,
Is amazing—and incomprehensive.

L'Envoi.

Now to feed and yet play th' Economy rôle
Makes demand for a mode analgesic;
So instead of a spread at the gay Métropole,
Try a chop at the "Pig with the Faceache."

Sesame Oil in the Pharmacopœias.

By G. P. Forrester, F.C.S.

IN view of the unsettled condition of the olive-oil market it is interesting to note that many recent Pharmacopœias have considered the question of introducing sesame oil as a substitute for olive oil. The choice is certainly justified, as sesame oil possesses good keeping properties and has a pleasant taste, while the extensive cultivation of the seed in India, the Far East, Palestine, Africa, and also in Southern Europe, the rapid growth of the plant (which in many cases gives a double harvest annually), and the large quantity of oil thereby available, render this product less liable to market fluctuations.

The home of the sesame-plant has not yet been ascertained with certitude, but it may be regarded as one of the most ancient cultivated plants in existence. De Candolle believed it to be indigenous to the Sunda Islands, and that it was taken to India and the Euphrates country some two or three thousand years ago. The word *semsem* occurs in an Egyptian document of about 1500 B.C. In the fifth volume of "Het Ambainsch Kruid-Boek," published in 1750 and devoted to a description of plants growing in Java, a very interesting chapter is given to this plant. The author, Dr. Georgius Everhardus Rumphius, mentions that Pliny states that the genuine sesame oil was brought from India to Asia Minor, then to Greece and to Italy, but later it fell into oblivion. The great nutritive value of the seeds from which the oil is obtained was fully appreciated, as it is mentioned that these were used by the Chinese after childbirth and in convalescence, and were also taken by those who desired to increase their weight. This also explains the successful results that have attended the use of combinations of sesame oil with the alkaline bromides and iodides.

At present sesame oil is official in the Pharmacopœias of Japan (1907), Hungary (1909), Servia (1909), Switzerland (1907), Austria (1906), Croatia-Slavonia (1901), Russia (1902), and Holland (1905). In the Belgian Pharmacopœia of 1906, under "Oleum Officinale, Huile Médicinale," it is stated that any non-drying oil employed for alimentary purposes may be used, such as almond, olive, sesame, nut, arachis, cottonseed, maize, etc., oils. In the Indian and Colonial Addendum to the B.P., sesame oil is official instead of olive oil in India, the African Colonies, the Eastern Colonies, and the North American Colonies—a considerable portion of the British Empire. Curiously enough, it was dismissed from the United States Pharmacopœia of 1905, although it was contained in the previous edition.

The oil is described as having a yellowish or golden colour, and possessing a characteristic faint odour and a mild taste. It congeals at -5°C .; Switzerland states that it begins to solidify at -4°C ., and the Dutch Pharmacopœia gives -8°C . Various figures are given by the different Pharmacopœias regarding its specific gravity and iodine-number: Japan gives 0.915 to 0.925; Hungary, Austria, and the British Addendum give 0.921 to 0.924; the same is also official in Switzerland, which adds that at 98°C . the sp. gr. should be 0.867 to 0.870. Croatia has 0.910 to 0.920, Russia 0.920 to 0.923, and Holland 0.920 to 0.924. As regards the iodine-number we find the following requirements: Japan, 103 to 113; Hungary, 105 to 110; Switzerland, 103 to 112; Austria, 102 to 111 (saponification-number 187 to 193); Croatia-Slavonia, 105 to 108 (saponification-number about 190); Russia, 103 to 111; and Holland, 106 to 112. No iodine-number is given in the B.P. Addendum.

The above divergencies bring home very forcibly the need for more uniformity in the standards adopted by various Pharmacopœias, and some definite understanding regarding the analytical methods to be adopted in applying even the same test in different countries.

The Pharmacopœias of Austria, Holland, and Hungary have to the largest extent replaced the use of olive oil by that of sesame oil in the preparation of plasters, liniments, medicinal oils, and ointments. In every country in which the oil is official it is employed in the preparation of liniment of ammonia. The following are some of the most important

preparations of different Pharmacopœias into which sesame oil enters as an ingredient (all parts by weight):

<i>Ung. Leniens</i> (Austria).	<i>Ung. Acidi Borici</i> (Hungary).
White wax 8	Paraffin. solid. 50
Spermaceti 15	Cere alb. 30
Sesame oil 62	Ol. sesami 300
Water 15	Melt together and add a previously prepared solution of boric acid 25 in glycerin 75.
Add ol. rosæ gtt. ij. to every 100 grams.	
<i>Ung. Zinci</i> (Austria).	<i>Ung. Emolliens</i> (Hungary).
Lard 63	Cere alb. 20
Benzoin 3	Cetacei 40
White wax 15	Ol. sesami 160
Zinc oxide 15	Ol. rosæ gtt. j.
Sesame oil 7	<i>Ung. Cantharid. pro Usu Veterinar.</i> (Hungary).
<i>Ung. Rosatum</i> (Croatia-Slavonia).	Cantharidis 40
Oil of theobroma 20	Ol. sesami 70
Sesame oil 40	Cere flav. 30
Rose-water 10	Terebinthinæ liq. 40
<i>Empl. Saponatum</i> (C.S.).	Euphorbi 10
Emp. plumbi 450	<i>Linimentum Calcariæ</i> (Japan).
Cere alb. 75	Lime-water,
Sapon. duri 38	Sesame oil... of each equal parts
Camphore 8	<i>Ung. Leniens</i> (Holland).
Ol. sesami 15	Cere flavæ 5
<i>Ol. Camphoratum</i> (Hungary).	Cetacei 10
Camphor. 25	Adipis lanæ 10
Ol. sesami 75	Ol. sesami 50
Sod. sulph. sicc. 8	Aq. rosæ 25
Filter.	<i>Liniment. Ammoniatum</i> (Russia).
<i>Ung. Adipis Lanæ</i> (Hungary).	Ol. olivæ 3
Adipis lanæ anhyd. 100	Ol. sesami 1
Aquæ 25	Liq. ammon. 1
Ol. sesami 25	(Switzerland.)
	Ol. sesami 75
	Liq. ammon. 25

The different formulæ given for the preparation of an equivalent of cold-cream and the use of sesame oil in their preparation point to the fact that these have borne the test of practical use. The following are the prices established for olive and sesame oils in the German prescription-tariff of 1910:

	Olive Oil.	Sesame Oil.
100 grams	7½d.	5d.
200 grams	1s. 0½d.	8¾d.
500 grams	2s. 1½d.	1s. 5d.

New Books.

Any of these books printed in the United Kingdom can be supplied, at the published price, to "C. & D." subscribers on application (with remittance) to the Publisher, 42 Cannon Street, London, E.C. These notes do not exclude subsequent reviews.

Arnulphy, B. S. *Oceanic Philosophy and Therapeutics*. Pp. 31. 6d. (33 Boulevard Dubouché, Nice.) [A reprint of a lecture delivered by Dr. Arnulphy at Chicago in 1908, in which the author seeks to show that, as cellular life originally sprang from the ocean, a marine medium is necessary for a continuance of life. Sea-water is consequently far superior to solution of sodium chloride for injecting into the veins. Dr. Arnulphy states that injections of marine plasma have great remedial possibilities in skin-diseases, gastric and intestinal troubles, tuberculosis, nephritis, and neurasthenia affections. The sea-water is made into an isotonic solution by mixing with twice its volume of pure water.]

Stewart, M. *Pocket Therapeutics and Dose-book*. 4th edit. 5½x3½. Pp. 263. 5s. net. (W. B. Saunders Co., 9 Henrietta Street, Covent Garden, London, W.C.) [More than half this book is taken up with the dose-tables, about which it is difficult to pronounce a definite opinion without knowing upon what data the author founds his doses. The book is printed in the United States, and gives a pint as containing 16 fl. oz., but the doses given can hardly be said to represent those of the U.S.P. Take, for instance, tinct. nuc. vom.—the U.S.P. dose is "average 10 m." the B.P. dose 5 to 15 m, the author's dose 5 to 20 m; and it must be recollected that the U.S.P. tincture is less than half the strength of the B.P. tincture. Another instance may be taken of identical preparations, tinct. camph. co., B.P. and tinct. opii camph., U.S.P.: the author gives the dose 5j. to 5iv.; U.S.P. average dose 2 dr., B.P. 3ss. to 3j. The author gives the dose of tinct. stramonii as 5 to 20 m, the U.S.P. dose is 8 m, B.P. dose 5 to 15 m, but the B.P. tincture is twice as strong as that of the U.S.P. This seems to show that the author's posology is by no means exact. Besides the dose-table there are tables of solubility and incompatibles, an index of diseases and remedies, and an introduction on prescription-writing.]

Bird-seed.

By A Country Chemist.

IN a recent number of THE CHEMIST AND DRUGGIST an interesting article appeared on the subject of flower and garden seeds as a clean, tidy, and profitable side-line which many more chemists might cultivate than actually do. This was supplemented by a very complete list drawn up in the *C. & D. Diary* for 1910, which might well be the basis for anyone who could find an outlet in that direction. As a matter of fact, it is within my knowledge that the information given in these articles has been useful, and that the lists have been drawn upon in a practical way. There is still another aspect of the seed trade, however, not touched upon by the writers of the articles which I have found quite a profitable adjunct, and which could be taken up either along with the garden-seed trade, or for that part, quite independent of it. I refer to the constant and growing demand for ornithological specialities. I have said "specialities" because, personally, I have sold bird-seed in bulk all my life, before realising there was quite a demand for seeds of another kind. Many of the readers of the *C. & D.* must be in the same position of being familiar, especially with canary, hemp, and rapeseeds, maw-seed, millet-seed, and so on, who do not know that a beginning only has been made and that a profitable extension is quite within their grasp.

This profitable extra can, of course, be better cultivated in some districts than others, but it also differs from many other lines in having a favourable field alike in city, town, or country districts. Birds as popular household pets are everywhere, and bird fanciers are more numerous than one would imagine. It would be a surprise, for instance, to many in making a tour of inspection through a mining community to find there, not simply a bird-cage hanging at nearly every window, but the number of aviaries there are. Further, let anyone visit one of the numerous bird exhibitions, held in every town of any size, about the beginning of the year, and there he will see not only a variety of birds that will astonish him, but such an intermingling of town and country exhibitors as to demonstrate the universal love for the feathered songster. It is apparent, therefore, that just as there is a variety of birds there is also a great variety of foods to feed them with. Moreover the study of birds, their habits, foods, etc., has been made quite a speciality by more than one firm. Mr. Capern, of Bristol, for example, has studied practically in his specially fitted aviaries there the habits and tastes of nearly all the principal British birds for many years, and by experimenting with foods and seeds has raised the feeding and training of birds quite up to a science. Other names, such as Hyde, Spratt, and Taylor, may also be mentioned. This brings me to the practical part of this note—viz., that quite a brisk demand can be created for this class of goods, and packed as they all are tidily, attractively, and with full directions for every species of bird, for a very modest initial outlay, and with dry storage, the trade can be commenced right away. Chemists are frequently asked for remedies for bird ailments. Who has not in his day, for example, recommended a crystal of sulphate of iron, or a few steel drops to be put into the drinking-water as a tonic, or a sprig of saffron now and again, when off tune or colour? But probably less initial skill is required in this direction than in almost any other class of business. Apart from every packet being so labelled that he who runs may read, the coloured picture card advertisements which accompany these goods are so artistic, attractive and suggestive as to sell goods at first sight. The following is a list of goods I have sold for years, and it is probably the one department of business in which there has been no complaint, and in which there is no cutting:

A mixed seed and fruit mixture with egg flake for canaries. Lark mixture for skylarks. Finch mixture. parrot mixture, linnet mixture, new food for thrushes, blackbirds, starlings, jays, and magpies. Also ants' eggs, egg-bread, cage-bird gravel, etc.

The following quantities and sizes would be a safe beginning, while other items could be added as demand arose:

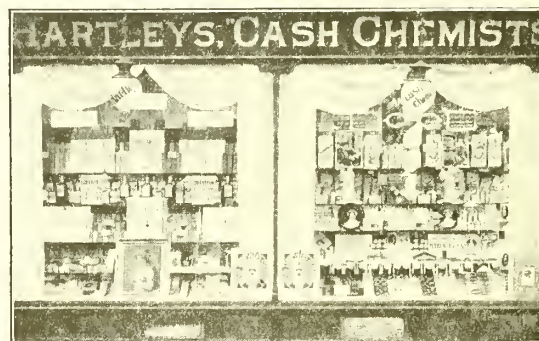
		Cost	Retail
1 doz.	2d. fruit and seed mixture for canaries	0 1 6½	0 2 0
1 "	4d. " " " "	0 3 1	0 4 0
1 "	6d. " " " "	4 6	0 2 3
2 "	2d. lark mixture ...	1 6	0 3 0
1 "	4d. " " " "	0 3 0	0 4 0
2 "	3d. new food ...	2 0	0 4 0
1 "	2d. parrot mixture ...	0 1 4	0 2 0
1 "	3d. " " " "	0 2 3	0 3 0
1 "	6d. " " " "	0 4 0	0 6 0
1 "	1d. finch mixture ...	0 0 8½	0 1 0
1 "	1d. egg bread ...	0 0 8	0 1 0
1 "	1d. maw-seed ...	0 0 8	0 1 0
1 "	1d. ants' eggs ...	0 0 8	0 1 0
1 "	1d. inga-seed ...	0 0 8	0 1 0
3 "	1d. cage-bird sand ...	0 8	0 2 0
1 "	1d. teal seed for goldfinches	0 8	0 1 0
1 "	1d. linnet mixture ...	0 8½	0 1 0

£1 10 2½ 2 4

This shows a profit of 30 per cent., but as one gains experience in the business more may be made directly, while indirectly there is quite a lot of good business to be done in prescribing remedies for the ailments, and preparations for the toilet of cage-birds.

Chemists' Windows.

Photographs of window-displays sent to the Editor for reproduction in this section should be accompanied by notes on how the windows were dressed, and, where possible, the results.



A Shopping Carnival Window.

The Nelson Tradesmen's Association had a Shopping Carnival and Window-dressing Competition on March 16 to 19, and prizes were given for the best window-displays. Section "B" windows were of "things to use," and fifty-seven entered for this, including seven chemists. The first prize was awarded to Messrs. Hartleys, chemists, photographic dealers, and opticians, 6 Railway Street. The judges were chosen from other towns, and points were awarded as follows: Neatness and cleanliness, forty; originality of design, thirty-five; and general selling effect, twenty-five. We reproduce a postcard photograph of the first-prize window. The draping was of white muslin. The left-hand section was devoted mainly to toilet-soaps, including Erisemic, Pears', eau de Cologne, and violet-scented oatmeal soaps. A speciality was made of toilet-soap in ½-lb. and 1-lb. bars, which has caught on well lately. The central shelf of the window was filled with new season's cod-liver oil, with quotations, half-pint bottles 9½d., pint 1s. 3d., and quart 2s. 3d. In the right-hand section of the window was a mixed display of toilet-requisites, beginning at the bottom with carbolic tooth-powder in 6d. tins, and the shelf above was devoted to hair-brushes, the edge of the shelf having tooth-brushes and tins of powder fixed at intervals. The next shelf showed toilet paraffin, Euthymol tooth-paste, and other toilet proprietaries, while further up were packets of Sanatogen. Selected show-cards of proprietary articles in this window proved very effective and useful, but the best "draw" was a card stating that a sample of "Harlene" would be given to every purchaser of a 6d. box of carbolic tooth-powder. Everything in the window was priced in good, bold figures, and this—together with the brief descriptions on the price-tickets—no doubt carried weight with the judges.

Practical Notes and Formulae.

Cod-liver Oil Emulsion.

(New Italian Pharmacopœia.)

Cod-liver oil	1,000
Gum acacia powder...	10
Tragacanth powder ...	10
Isinglass	2
Calcium hypophosphite ...	5
Sodium hypophosphite ...	5
Saccharin	0.2
Cinnamon oil	4 drops
Alcohol, 90-per-cent. ...	50
Orange-flower water ...	40
Water	878

Parts in grams in each case except the cinnamon oil. Add the oil to the two gums, then make an emulsion by the addition of the isinglass dissolved in 700 parts of water. Dissolve the hypophosphites and the saccharin in the remaining 178 parts of water and the orange-flower water, and add to the emulsion; lastly add the cinnamon oil in the alcohol and shake the whole for several hours.

Percolation by Heat.

A. ASTRUC ("Jour. de Phar. et de Chim.," No. 2, 1910) recommends percolation by heat in the preparation of several pharmaceutical products, as from his experiments he has found this method to yield a higher percentage of active principles than is obtainable by other means. The drug to be exhausted is prepared in the ordinary manner; the percolator he recommends is double-walled, and in the interspace warm water is poured and maintained at the temperature of 80° C. by a small gas-flame. The drug itself is exhausted by warm water in the ordinary way. L. Capilléry (*loc. cit.*) furnishes some figures illustrating the results of experiments with this method, as compared with decoctions. From these it may be seen that ipécacuanha-root containing 2.15 per cent. of alkaloids yielded percolate containing by the hot method 63 per cent. of the available alkaloids, while a decoction only extracted 54 per cent. of the alkaloids. In the case of kola-nut the result was more striking, the percentages being 80 and 45 respectively.

Modifications of Pusch's Test.

A SIMPLE MODIFICATION of Pusch's test for tartaric acid (*J. & D.*, February 26, p. 324) is suggested by Mr. J. L. Luthford Hill. A testing-tube and control-tubes are prepared as usual with 0.5 gram of the citric-acid sample and the same amount of pure citric acid respectively, to both of which 5 c.c. of strong sulphuric acid is added. The testing-tube and control-tube are held simultaneously, by means of test-tube holders, in a Bunsen flame for thirty seconds. The coloration yielded varies from brownish yellow, with 0.01 per cent. of tartaric acid, to deep brownish black, with 1.0 per cent. of acid, the odour of sulphur dioxide being evident in the latter instance; and 0.0001 per cent. of tartaric acid is easily detected by this method if carefully manipulated. The gradation of tints is wonderfully quantitative as regards amount of tartaric acid present. This modification of Pusch's test, using the naked eye, may be applied for detecting the presence of sugar in citric acid. The colours grade from cherry red, with 1 per cent. of sugar, to reddish yellow, with 0.0001 per cent. Advantage can be taken of the fact that cold sulphuric acid chars sugar, but that it possesses no darkening action on tartaric acid, to distinguish admixtures of citric acid with sugar or tartaric acid respectively the samples being floated upon the sulphuric acid. A brownish ring is apparent in five minutes with 0.5 to 1.0 per cent. of sugar, perceptible coloration in ten minutes with 0.01 to 0.1 per cent., and in fifteen minutes with 0.001 per cent. In six hours as little as 1 in 10,000,000 of sugar is distinctly perceptible on comparison with a control-tube. Tartaric acid containing 0.5 to 1.0 per cent. of sugar gives with the test the cold some coloration at the end of an hour, and is very deeply tinted at the end of six hours, while the control-tube of pure acid remains water-white. On heating the mixture in a Bunsen flame for ten seconds the tube containing pure tartaric acid is unchanged, while with 1 per cent. of sugar it becomes red, and with 0.5 per cent. a brown ring is evident.

Medical Gleanings.

Carbon Dioxide Caustic.

SOLID carbon dioxide is rapidly replacing other therapeutic agents in the treatment of naevi and moles, and its use has been referred to before in the *C. & D.* The carbon dioxide snow is prepared by allowing a jet of carbon dioxide from a cylinder to play on a piece of baize folded in the form of a conical sugar-bag about 9 in. long. This is held in the left hand over the nozzle, so that the nozzle is well inside the bag without being in contact with the baize. The jet is allowed to play into the bag for fifteen to thirty seconds or longer, according to the amount of snow required. The baize is then spread out on a table and is found to be thickly coated with fine snow. The snow is scraped off with a teaspoon and the requisite applicator filled with it. (The method of preparing pencils was given in the *C. & D.*, February 5, p. 226.) The applicators are funnel-shaped, like aurial specula, and are made of vulcanite. Their diameter at the narrow end varies from $\frac{1}{4}$ in. to 1 in., and they are fitted with rod-shaped plungers, by means of which the snow is pressed down. When filled, the applicator is transferred to the lesion to be treated, so that the snow is in contact with the skin, the applicator being held firmly by the left hand, while the plunger is held by the right hand, and the requisite amount of pressure exerted. It is necessary to wear a glove on the left hand to protect it from the extreme cold. The effect of the snow on the tissue is dependent on the length of the exposure and the degree of pressure. The degree of pressure should be just sufficient to cause a slight depression in the frozen tissue when the applicator has been removed. After an application of five seconds the underlying skin is frozen into a solid white disc about $\frac{1}{8}$ in. thick. This thaws in about a minute. Some hours afterwards, it may be ten or twelve, the inflammatory reaction sets in and a blister may form. This subsides, and perfect healing takes place in a few days. Exposures of healthy skin up to thirty seconds' duration are followed by complete healing; should the exposure be prolonged to a minute or longer, sloughing is apt to occur with subsequent scarring. In the case of soft lesions, such as vascular naevi, the exposure should not exceed thirty seconds, so as to avoid scarring; in the case of hard lesions, such as warts, rodent ulcers, etc., a more prolonged exposure is indicated, as it is the destructive effect which is chiefly required. If the lesion to be treated be greater than the diameter of the largest applicator, it is attacked piecemeal, or a piece of thin lead is cut the size of the lesion and placed between it and the applicator, as the metal conducts the cold, and by it irregularly shaped lesions can be treated exactly. When lead is interposed a longer exposure is necessary than when the snow is applied directly to the skin. The application is not unbearably painful, and no anæsthetic is required, the cold itself having an anæsthetic action. When the reaction sets in there is the usual discomfort associated with inflammation. Should the application result in vesication and breaking of the skin, it is advisable to dress the part with a mild antiseptic ointment to prevent contamination with pyogenic micro-organisms. It is advisable to let the inflammatory reaction completely subside before a second application is made. These notes are taken from a paper by Dr. J. M. H. Macleod in the "British Medical Journal," of January 29, p. 254. Dr. George Pernet ("B.M.J.," February 5, p. 351) finds that a leather tobacco-pouch with a running noose is very useful to catch the carbon-dioxide snow.

OVERHEARD IN A NORTHERN PHARMACY, amid a bantering cross-fire of chaff and badinage:

The K.G.T.: "So you have got your 'bird in the cage,' I see by your latest." [*C. & D.*, April 9, p. 544.]

The B.D.H.: "Ah! you have got it wrong. It is a gate, not a cage."

The K.G.T.: "Oh! I thought the paraphrase was 'a bird in the cage is worth two on the bush.'"

The B.D.H.: "Still wrong mine honourable friend. 'A bird on the gate is worth two on the push.' That's how we read the proverb."

Omnes: "Ha! Ha! ha! Ha! ha! ha!"

Pharmaceutical Examinations.

WE have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of persons who passed the Major or Minor examinations at this month's meeting of the Board of Examiners for Scotland, held in Edinburgh:—

PHARMACEUTICAL CHEMISTS.

Guest, George Archibald, Irvine, Malcolm Miller, Hoyaland, Edinburgh.

CHEMISTS AND DRUGGISTS.

Ballantyne, Wm. M., Uddingston.
Bayne, Chas. P., Darlington.
Brown, Thos. R., Lochee.
Crawford, James, Loanhead.
Elliott, Chas. J., Maryport.
Fedderman, Marcus, Manchester.
Forrester, Thos., Edinburgh.
Gibbins, Alfred J., Northampton.
Graham, Christopher B., Aspatia.
Hammond, Wm. J., Oldham.
Harding, George, Morpeth.
Hough, Alfred, Mansfield.
Longstaff, Wm. C., Houghton-le-Spring.
Macdonald, Donald C., Edinburgh.
McGray, Wm. J., Seaham Harbour.
McLaren, Frank D., Forfar.
McWalter, George H., Tranent.
Morison, John W., Edinburgh.
Murdoch, Joseph C., Glasgow.

Owen, Owen M., Bl. Festiniog, N. Wales.
Penney, Walter G., Colchester.
Richmond, Alex., Old Cumnock.
Robertson, Robert, Rutherglen.
Robinson, Louis, Edinburgh.
Ryrie, Benjamin J., Montrose.
Simpson, John T., Glasgow.
Sinclair, Thos. L., Greenock.
Smith, Alex., Glass-by-Huntly.
Stocks, Wilfrid, Hull.
Sutherland, Adam H., Helmsdale.
Turner, William, Aberdeen.
Walker, Herbert C., Keswick.
Walkinshaw, Geo., Barrow-in-Furness.
Wallace, David, Leven.
Watson, Alex. J., Tyne-mouth.
Williamson, Alfred, Whitehaven.
Young, Matthew, Paisley.

Minor Experiences.

I PASSED the Minor at Galen Place on Monday of this week (April 11), and I thought probably some among those best of good fellows who have not yet had the satisfaction of getting on the right side of it might like to know what kind of a time one gets.

First let me say that it is by no means a "soft" thing, and requires whole-headed and whole-hearted application while one is up, whether first day or second. One has to remember that the same things look very different up at the Square from what they do at college or in a shop. I cannot explain why that is, but it was so in my case both days.

Notwithstanding this, I should like every unqualified man to know that the majority of the examiners try to get to know what we know, and in my experience this helped me a great deal. I know there are objections to be raised which are legitimate, but it is a pity to frighten an unqualified man needlessly.

Well, so much for my appeal to students to take the examination reasonably; now let me tell what I had to do.

IN DISPENSING I had a straightforward paper comprising a decoction of logwood mixture, lead and opium suppositories, liniment of turpentine, strychnine pills (with fractional calculation), and an ointment. My "salt" in chemical analysis was sucrose and barium carbonate, and the volumetric work consisted of estimation of sodium bicarbonate with tartaric acid. Subjoined are the questions I had in the oral:

THEORETICAL PHARMACY.—Recognise a tincture given. This I thought was chiretta, but not sure. How made? Recognise liniment (compound camphor) and how made? Could I explain a percolator? Strength of alcohol in compound tincture of benzoin? Does all the benzoin dissolve? Then the preparation of cinnamon-water, and explain how I should work the condenser. Preparation of green extract of belladonna. Why not heat above 54° C. for chlorophyll separation?

CHEMISTRY.—Explain Mendeléeff's periodic law, giving examples of group arrangements. Properties of chloroform and its decomposition products. Properties of nitric acid. Give its organic derivatives. How prepare benzene? Formula for salicylic acid, and what is it?

BOTANY.—Shown a hyacinth and asked its order. Then a bud (horso chestnut), and asked the source of the resinous exudation. Then a roseaceous flower. After that, How many stamens in *Leguminosa*, and also carpels? What is diastase?

Explain albuminous and exalbuminous seeds, and give examples. Slides shown were of monocotyledonous stem and a seed, and another which was beyond me.

PRESCRIPTIONS.—I had a fairly easy translation and a calculation of menthol in 3iv. of oleum petrolei, sp. gr. 0.890, 1 in 5 by weight. A good many doses were next asked, and some prescriptions were given me to read, which were not difficult.

MATERIA MEDICA.—Recognise gelsemium-root, the aloes, cochineal, stramonium-seeds, the acacias, and a few questions on distinguishing between various aloes, and stramonium-seeds and henbane-seeds.

These are the bulk of the questions asked me. Some I have forgotten, but I think the list gives a fair idea of the examination. In concluding, may I wish all unqualified men good health, good spirits, and a successful visit to Galen Place?—*J. M. C.*

Winter Session.

Brief Records.

Harrogate Pharmaceutical Association.—A meeting was held at the Salisbury Hotel on April 8, when there were present Messrs. H. G. Mitchell (President), Atkinson, Eynon, Hines, Halliday, Weston, Mote, Simpson, Fenn (Treasurer), and C. B. Southwell (Hon. Secretary). Matters of general interest were discussed.

Three Towns' Association of Pharmacists.—A good number of members of the Junior Section met in the Association's library on April 6 to hear a lecture by Mr. Walter Gwillim on "Coal-tar and Coal-tar Products." The products obtained in the destructive distillation of coal and by further fractionation were illustrated by specimens kindly lent by the British Coalite Co. The lecturer's remarks were much appreciated by the audience.

National Union of Assistant Pharmacists.—A meeting of the Birmingham Branch took place on April 11 at the Carlton Café, Temple Street. Mr. Wilson occupied the chair. The Secretary gave a report of the annual meeting held in London. The following branch officials were then elected: President, Mr. R. R. Gibson; Vice-President, Mr. H. Spencer; Treasurer and Secretary, Mr. F. Bentley; Executive Committee, Messrs. Llaing, Rigg, Matthews, and Wilson.

Newcastle-on-Tyne Pharmacists' Association.—The last ordinary meeting of the session was held in the Hotel Metropole, Newcastle-on-Tyne, on Wednesday evening, April 13. Mr. W. Buckley presiding. It was decided to continue membership of the Federation of Local Pharmaceutical Associations, and a subject for discussion at the Cambridge meeting was suggested by Mr. Russell. Mr. Clague nominated Mr. Buckley for re-election as President. A botanical address was given by Mr. R. McClumpha, Ph.C., F.C.S., for which he was thanked.

Nottingham Chemists' Association.—At a meeting on April 13, at Calvert's Café, under the chairmanship of Mr. W. Gill (Vice-President), Dr. Christie Reid delivered an address on "What we owe to Experiments on Animals." This consisted of a defence of vivisection, the lecturer being convinced that it is morally justifiable to inflict pain on animals with a view to preventing a larger amount of pain in animals as well as men. Many of the allegations made by opponents of vivisection are due, the lecturer said, to sheer ignorance. A discussion followed, in which Messrs. Eberlin, Adamson, Royce, and the Chairman took part.

Hull Pharmacists' Association.—A meeting was held at the Grosvenor Hotel, Hull, on April 12. Mr. J. F. Robson (President) in the chair. The Hon. Secretary drew attention to a paragraph in *THE CHEMIST AND DRUGGIST* which stated that the Inland Revenue authorities said they would not interfere in the case of the supply of Carrick's liquid peptonoids for the order of a medical practitioner.—*Ed. C. & D.* Mr. Jackson, of Woodcock Street, was elected a member. A "nice little sum" would, it was stated, be available for the Pharmaceutical Benevolent Fund from the smoking-concert recently held. The arrangements for a summer picnic were left in the hands of the committee.

Halifax Chemists' Association.—A meeting was held on April 12. There were present Messrs. W. R. Black (President), G. Dixon, W. E. Smithies, C. Fielding, W. R. Fielding, J. E. Binns, G. M. Cobb, P. W. Swire, W. Lumb, L. Chambers, and R. V. Sutcliffe (Secretary). An article in the "Anti-Cutting Record" regarding "buying clubs" was read, and the following resolution was passed: "That a sub-committee be formed to overhaul the working of the trade section, and if found to be violating the rules of the P.A.T.A. either in the law or spirit, they shall have power to remodel the said trade section at once, and without the necessity of first reporting and obtaining the sanction of a future meeting of the Association."

Irish Chemists' Assistants' Association.—A general meeting of the members of the Belfast Branch was held on April 6 in the Rooms, Gregg's Buildings, Victoria Square, Mr. G. W. Camlin, Ph.C., presiding. A general discussion took place on Association matters, in which the following took part. Messrs. Hall, Campbell, Heazley, Nesbitt, Penaghan, and Moore. Mr. H. F. Moore (Hon. Secretary) reported that there are now about ninety members. A discussion took place on the recent prosecutions for the sale of methylated spirit after hours. The Hon. Secretary was asked to write Mr. A. Harnel, Ph.C., of the Dublin Branch, who is leaving for South Africa, and wish him every success in his future career.

Great Yarmouth Pharmaceutical Association.—The annual meeting was held at 156 King Street, Yarmouth, on April 7, Mr. J. S. Shearman (President) in the chair. Others present were Messrs. T. B. Male, H. Palmer, P. R. Hill, C. J. Woodcock, H. E. Goddard, C. E. Williams, W. G. Poll, A. R. Davies, and A. E. Richmond. The balance-sheet and report were read and adopted. The retiring officers having been thanked, Mr. P. R. Hill was elected President, Mr. A. E. Richmond re-elected Hon. Secretary and Treasurer, Mr. T. J. Woodcock added to the committee, and Mr. W. G. Poll appointed auditor. Mr. A. R. Davies, in proposing Mr. Vingfield as a member, took the opportunity of thanking the members for many kindnesses received, and expressed regret in leaving Yarmouth, having sold his business to Mr. Wingfield.

Grimsby Pharmacists' Association.—A meeting was held at Dring's Hotel on April 4. There were present Messrs. J. W. Willson (President), T. D. Sneath (Vice-President), C. Dewing, H. W. Colley, T. W. Ellis, E. N. Fletcher, F. W. Leely, W. G. Robinson, E. Sigley, and C. H. Ashton and J. N. Chapman (Secretaries). Mr. Sneath having put before the meeting some papers relating to Ucal, Ltd., a discussion took place, when it was decided to ask the chemists to fix a date so that Mr. Walton, of Hull, could be present and explain the working of the scheme. Mr. C. H. Ashton read a short paper on "The Uses of the Local Association to the Pharmaceutical Society," which was much appreciated. The Chairman, in passing a vote of thanks, remarked that he should be pleased to hear a paper from every member during the session.

Tunbridge Wells Association of Pharmacists.—A general meeting was held at 33 Mount Pleasant on April 5. The President (Mr. J. H. Bishop) was in the chair, and there were also present Messrs. Hobbs, Booth, Harden, Bating, Godkin, Chatterton, and Webb (Hon. Secretary). A letter was considered from the Preston Association, asking the opinion of the Association with regard to pressing the Revenue authorities to enforce the regulations respecting the sale of spirits and wines against unqualified unlicensed vendors of the same. The meeting considered that it would be unwise to make any strong move in the matter, and that it would be best for many reasons to leave the matter to the authorities in question. The decision to discuss commercial subjects at the next meeting of the B.P.C. was approved of. Mr. Holdsworth was elected a member of the Association.

Huddersfield Chemists' Association.—A meeting was held on April 12 at the Queen Hotel, Mr. R. Stephens (President) in the chair. There were present Messrs. R. C. Walshaw, Broadbent, Calvert, Spurr, Hadfield, Sykes, jun., Wood, France, and Cooper (Secretary). On the motion of the President, seconded by Mr. Broadbent and supported by Messrs. Wood and Hadfield, a record was ordered to be entered on the minutes, acknowledging the honour conferred upon the Association through Mr. Walshaw, a former President, being co-opted a member of the Council of the Pharmaceutical Society. Mr. Walshaw replied. A discussion took place on profits under the P.A.T.A. scheme, which were considered too small in view of the great increase in the number of proprietary articles put before the public. A resolution was carried unanimously urging the P.A.T.A. to consider the necessity of revising the percentage profits in order to secure a larger gross profit to the retailer.

Lancaster Chemists' Association.—The annual meeting was held at the King's Arms Hotel, Lancaster, on April 13, Mr. W. Arkle (President) in the chair. There were also present Messrs. H. Troughton (Vice-President), J. B. Shattock (Secretary), R. S. Angus (Treasurer), A. Bate, W. Forst, R. T. Simpson, A. T. Maxwell, G. E. Whineray, S. Taylor, T. Jackson, J. C. Cuthbert (Lancaster), S. Parker, R. Knowles, F. N. Whitehead (Morecambe), J. P. Porteous (Carnforth). The report of the Executive showed that almost every chemist in the district belonged to the Association. Mr. A. W. Hankinson (Grange-over-Sands), Mr. H. K. Duckworth (Grange-over-Sands), and Mr. J. E. Nicholson (Carnforth) were elected members. The report of the Treasurer showed a slightly increased balance in hand. The election of officers resulted as follows: President, Mr. W. Arkle; Vice-

President, Mr. H. Troughton; Hon. Secretary, Mr. J. B. Shattock; Treasurer, Mr. R. S. Angus; committee, Messrs. J. Vince and R. T. Simpson, with Mr. A. T. Maxwell as Auditor. A letter was read from Sir E. Evans thanking the Association for their hospitality, and showing that he had happy recollections of the last annual dinner. The meeting then adjourned for light refreshments, and afterwards proceeded to the Grand Theatre to witness a performance there, special seats being reserved.

London Chemists' Association.—We are asked to remind the trade in London of the exceptional function which the London Chemists' Association is organising for Tuesday evening, April 19, at the Holborn Restaurant. Mr. T. H. W. Idris, J.P., President of the Association, will receive the guests at 6.30 p.m., and dinner will be served in the Venetian Chamber at seven o'clock. This, with speeches, will occupy the time until nine o'clock, when there will be a whist-drive in the York Room and a dance in the Gordon Room, so that the guests will have ample opportunity of enjoyment. Excellent music is also to be provided. Tickets (6s. 6d. each) may be obtained from the Hon. Secretary, Mr. J. Wellesley Douglas, 19 Kennington Terrace, Kennington Park, London, S.E. It goes without saying that ladies as well as gentlemen are invited to be present, and it is hoped that there will be a large attendance. Mr. Idris, in a letter to the members of the Association, states that he intends to take a more active part in it in future. In the course of the letter he says: "Good work has been done by this Association, and many members of the committee have given much of their valuable time in furtherance of our common good. Still much remains to be done to make our local Association worthy of our great capital, and much might be accomplished by a little more unity in our ranks, and the only way in which we can know one another better and know one another's needs is by associating together. No better means for doing this can be attained than by local associations. This being so, it is a matter of profound regret that many of our members have allowed themselves to become apparently uninterested, actively and financially, in our affairs. We have not had your support for some time past. Do you really intend this to be so? If not, kindly send along your subscription (5s.) for the current year. Arrears are not asked for. We are not in debt; none of us—not even your Hon. Secretary, upon whom the burden of work falls—asks for payment; the whole expense is on your behalf. Surely London must not lag behind in matters of this sort. If you really mean to stand aside will you kindly say so, that the expense and trouble of sending notices may be avoided."

Liverpool Chemists' Association.

A MEETING was held at the Royal Institution, Colquitt Street, Liverpool, on Thursday, April 7, Mr. Wokes (President) in the chair. The attendance included Miss King and Messrs. Abraham, Ashworth, Barr, Greener, Haddock, Howard, Last, Marsden, McInroy, Parry, Robinson, Sendall, Welton, Whalley, Whitaker, and Wokes.

PICNIC.—Mr. Last moved that a picnic should be held during the summer. This was seconded by Mr. Parry, and carried. Messrs. Barr, Buck, Jones, Last, and Parry were appointed a committee, with power to add to their number, to make the necessary arrangements.

PHARMACEUTICAL COUNCIL ELECTION.—Mr. Parry said he was pleased to find that Dr. Symes had been nominated for the Pharmaceutical Council. He also had been nominated, but had withdrawn on hearing of Dr. Symes's candidature. Dr. Symes might be old in years, but in spirit he had shown himself to be one of the most modern men the Council had. If the Liverpool Association had done its share last year, he would not have needed to put up again this time. Mr. Parry moved that the Association should be recommended to do something practical to help Dr. Symes in the election. He also mentioned that Liverpool has another candidate (Mr. Waldron), one of the assistants' representatives.—Mr. Abraham questioned whether Mr. Parry's motion was in order, and said that it would be more effective if brought forward with proper notice at the next meeting, when more of Dr. Symes's supporters could attend.—The President, having ruled that the motion was in order, said there would be little time left for anything to be done after the next meeting.—The motion was seconded by Mr. Robinson, who endorsed Mr. Parry's remarks about Dr. Symes's modernity, and said that Dr. Symes had done so much for the Association in the past that it ought to support him now.—Mr. Last having spoken in similar terms, the motion was put to the meeting and carried unanimously.

LIQUID CARBONIC-ACID GAS AND ITS USES.

A paper on this subject was then read by Mr. H. T. Sisson, of the Liverpool Carbonic-acid Gas Works, Bootle. In the course of this he said that practically all the gas used for liquefaction is produced artificially by one of three processes:

1. Decomposition of various carbonates or bicarbonates by acids.
2. Recovery from fermentation in brewing.
3. By the alternate bicarbonation and reduction to mono-carbonate of potash or soda solutions, the necessary gases containing CO_2 being obtained from combustion products or by the calcination of natural carbonates.

The third process produces a highly pure gas. For practical purposes it must contain at least 99 per cent. of pure CO_2 , as a very small percentage of other gas prevents liquefaction and impairs the quality of mineral waters. Upon preparation the gas is passed into a holder, from which it is drawn by the compressors, which usually have three independent rams for high, mean, and low pressure. Each of these has its barrel surrounded by a water-jacket for cooling purposes. Between the various compressors the gas passes through a purifier and drier, three separators, and three cooling coils, in the last of which it is liquefied. The liquid is colourless, very mobile, and soluble in ether and alcohol, but it does not mix with water. It is filtered and passed into storage cylinders, which usually contain 28 or 40 lb., and must be strong enough to stand the vapour-pressure of the gas, which rises from 45 atmospheres at 50°F . to 100 atmospheres at 100°F . The weight of carbonic acid contained in the cylinder is limited to two-thirds or three-quarters of its water-content, in order to allow enough free space for expansion at any temperature that is likely to occur. When the liquid is allowed to escape from the cylinder, part of it evaporates and freezes the remainder. If this solid is mixed with ether or alcohol, a temperature of -110°F . can be obtained in the open. Cylinders are usually annealed at red heat after three years' use, in order to prevent the metal from becoming brittle. The valves used for CO_2 cylinders are mainly of two kinds. One of these, designed by Messrs. Hall, of Dartford, ruptures itself on exposure to excessive pressure and allows the gas to escape. Two cylinders, fitted with safety-valves, passed through a fire in Bootle without any damage except loss of contents and a buckling of one of them due to a beam falling on it. Seventy-five per cent. of the liquid CO_2 produced is used for the aëration of beverages.—Mr. Abraham, in moving a vote of thanks, asked how best to prepare solid CO_2 for commercial purposes without excessive waste, and referred to the difficulty of keeping this. On one occasion he had put 3 or 4 oz. in a "Thermos" flask overnight, but found nothing in the morning.—Mr. Robinson seconded the vote of thanks and gave an amusing account of his adventures with a soda-fountain. He referred especially to the disquieting noises sometimes produced, including a snake-like hissing, and another noise which had once led a customer from Texas to believe that a shooting-match was in progress behind the counter.—Mr. Marsden stated that at the Infirmary sticks of the solid gas are produced by passing the liquid into a cylindrical box enveloped in a towel. Mr. Wokes discussed the filling of mineral-water syphons, and said that he had noticed that the presence of moisture globules in the gas had usually been followed by the bursting of several syphons.—Replying to the vote of thanks, Mr. Sisson said that, in making the solid, some loss of gas is necessary in order to freeze the remainder. If the solid is compressed it keeps much longer than in the flaky state. The lecture was illustrated with diagrams, specimens, and experiments. Some solidified gas was prepared in a perforated wooden box, lined with ordinary drugging.

Manchester Optical Society.

A MEETING of this Society was held on April 5, under the presidency of Mr. J. C. Kidd, when an address was delivered by Mr. H. Oscar Wood, of London, on

AWKWARD CASES AND THEIR CORRECTION.

Mr. Wood first dealt with what is meant by normal and subnormal vision, and went on to give his hearers some idea as to the maximum subnormality permissible, always

remembering that this depends upon age and the length of time during which the eye has been receiving imperfect images. He said that in youth up to, say, twenty years of age, the retina has not had time to lose its sensitivity through disuse, unless the error of refraction has been high from early life. In these cases unless vision is at least $\frac{5}{6}$ the case is not one for treatment by the optician, for the reason that in youth the standard is $\frac{5}{6}$ to $\frac{4}{5}$, which allows considerable latitude. Again, in this connection, if the refractive error is so high that it has never allowed of normal vision at any distance, the case is outside the province of the optician. They might therefore generalise by saying that unless $\frac{5}{6}$ is attained in persons up to twenty years of age, the optician would be wise to refer the case to an oculist. Mr. Wood held that myopia should not be treated by opticians in children under about fourteen, unless of low degree, not exceeding about one diopter, accompanied by a full amplitude of accommodation to normal visual acuity. Even then periodical tests should be made to ensure that the myopia is not unduly progressing. On the other hand, from fifteen upwards cases of not more than four diopters may usually be successfully arrested by full correction, this being considerably influenced by the intelligence of the client in following out the usual rules of avoiding undue convergence, stooping, bad light, etc. As to cases of spasm, Mr. Wood said there is a general opinion that these, of whatever degree, should be referred to an oculist, or, at any rate, refracted under the direction of a medical man. It is very rare, he added, to find a case of spasm without astigmatism, and although it may not be shown at the ordinary test, it is rendered manifest under atropine. A short discussion followed.

CONFERENCE OF OPTICAL SOCIETIES.

The President stated that the arrangements for the conference in Manchester on April 20 of delegates from different Optical Societies in the kingdom to consider the question of federation with a view to securing State recognition for qualified opticians are practically complete. It is the intention of the Manchester Society to entertain the delegates to dinner at the close of the conference.

Festivities.

Bolton Pharmacists' Association.

The members of this Association and their friends, to the number of about fifty, met at the Baths Assembly Rooms, on April 6, for a whist-drive and social evening. The prize-winners were: 1st, ladies, Mrs. Atkinson; 2nd, Mrs. Rushton; hidden number, Miss Stenson; 1st, gentlemen, Mr. Rushton; 2nd, Mr. Blain; and hidden number, Mr. Massey. After whist the party joined in dancing until twelve o'clock. The members of the committee—Messrs. Rothwell, Holt, Wigglesworth, Rushton, and Knott—were congratulated on the success of the evening.

Hull Pharmacists' Association.

A smoking-concert was held in connection with this Association on April 7 at the Grosvenor Hotel, Mr. J. F. Robson (President) in the chair. He was supported by Messrs. R. F. Jones, T. Smith, and A. Richardson (Vice-Presidents), Mr. J. M. Tankard (City Analyst), Mr. Walter Staning (Hon. Secretary), Mr. W. Kenny (Hon. Treasurer), Mr. Thompson (representative of Messrs. Southall Bros. & Barclay, Ltd.), Mr. D. Rogan, and others. A musical and humorous programme arranged by Mr. R. F. Jones was carried out with great success. Votes of thanks concluded the evening's entertainment.

Birkenhead Chemists' Dinner.

The annual dinner of the Birkenhead and Wirral Association of Pharmacists was held at the Woodside Hotel, Birkenhead, on Thursday, April 7, Mr. C. H. Sturt (President) in the chair. Mr. W. Gowen Cross, J.P., Shrewsbury, and Dr. Charles Symes, Liverpool, were the principal guests. After dinner the toast of "The Pharmaceutical Society" was proposed by Mr. A. E. Breeze. In the course of his remarks Mr. Breeze said the Society is the oldest one granting certificates, and its honours examination should be equivalent to any examination, licence, or certificate granted by

societies which follow in its footsteps, while the Major examination should carry with it a degree equal to the F.I.C. or any other degree. He also thought that the position of Government analyst or other posts which require technical skill and knowledge should be open to Major men. Mr. Gowen Cross, in reply, spoke of the Society being great and democratic. He hoped a time would come when every member would feel it incumbent upon him to become allied to the Society, and although there were difficulties which kept many from joining there was a scheme on foot by which those obstacles would be removed and by which also local Associations would become federated with the Society. (Hear, hear.) Mr. Cross also referred to the 1908 Act, the good of which, he believed, would be recognised as time passed. Dr. Charles Symes proposed the toast of the Association. Mr. Sturt, in reply, remarked that he did not believe that it is apathy that prevents a certain section of chemists from joining local Associations, but it is in consequence of the long hours they have to be in their shops. Men do not like attending meetings to talk pharmaceutical politics after being in the shop all day. He spoke of the advantages of conferences, and suggested that candidates for the Pharmaceutical Council should address meetings in the different areas.

London Chemists' Golf Club Dinner.

The first annual dinner of this club was given at the Salisbury Hotel, Fleet Street, London, E.C., on Thursday, April 7, at eight o'clock, when the President (Mr. Chas. Alex. Hill, B.Sc., F.I.C.) presided over a gathering of

about sixty. Among those present were Dr. Reginald J. Hanbury, Messrs. R. K. Harvey, Alan Francis, Alec. Boyes, John Jones (Captain), William Duncan (Hon. Secretary), F. W. Gamble, Peter MacEwan, W. P. Want, C. T. Allen, Sam Briggs, John Murison and two of his sons, R. J. Reuter, A. B. V. Taffs, Hay Marshall, Charles Brooks, W. A. Baiss, E. Beaton, G. Beaton, A. Barritt, H. W. Bartlett, F. Cooper, J. Davies, J. G. Duncan, Ed. Mowat, L. J. Read, H. Tomlins, C. Tanner,



MR. C. A. HILL.

P. Trick, R. Tyndall, A. Roe, and W. Weston. After dinner and the loyal toast, the President proposed the toast of "The Club," and mentioned that although it had only been in existence a year, already it numbered between sixty and seventy members. He submitted apologies from Mr. J. C. Umney and others, and caused some laughter by stating that Messrs. Wigginton and Nosworthy had intended to be present, but their motor had broken down somewhere in the neighbourhood of Reading. Mr. Hill considered the club singularly fortunate in its officers, the Captain, and the Hon. Secretary, and announced the awards—viz., the President's Cup, gained that afternoon by Mr. Briggs, after two ties; the Captain's prize, by Mr. H. Tomlins, who also carried off the Vice-President's prize. Mr. Jones, in acknowledging the toast, mentioned that it is fifteen months ago since the club had been started by three gentlemen connected with the trade, and he happily recalled the match between wholesalers and retailers which was played during the past season. He also acknowledged with gratitude Mr. Duncan's services as Secretary, and stated that he had been the runner-up that day for the President's Cup. Mr. Briggs is to give a prize next season. The toast of "The Drug Trade" was then proposed by Dr. Hanbury, who said he considered the meeting between the wholesale and retail trades a good thing, and he enjoyed it very much. He hoped he would often have the pleasure of meeting his friends in the trade in similar circumstances. Mr. R. K. Harvey, in acknowledging this toast, delighted the meeting with a facetious account of his endeavours to find something to say on behalf of the drug trade. On the previous night he had taken down Chambers's Encyclopedia and

turned up "Drug Trade," to find "*vide* Chemists, Drugs, Prescriptions, and Adulteration." This reminded him of modern price-lists, where you turn up, say, cream of tartar and find "*vide* Pot. Tart.," and when you turn that up you read "See notes on page 32 at end of list." He detailed his Encyclopedia adventures, and then counselled those connected with the drug trade to maintain the professional aspects of pharmacy, and, as in golf, to make a "good, straight drive, and keep the eye on the business." Otherwise they would find themselves in "bunkers" or other "hazards." Wholesalers have the greatest sympathy with retailers in the competition which they have to contend with, and he asked retailers to put their confidence in wholesalers, and with a continuation of the happy relationship which at present exists pharmacy would not be a toil but a pleasure, and would long continue to flourish. The toast of "The Visitors" was given by Mr. Alec. Boyes, who mentioned that the club is subscribing a guinea to the Pharmaceutical Benevolent Fund. Mr. MacEwan acknowledged this toast, and asked the company to drink to the health of the President, which Mr. Hill briefly acknowledged. In the course of the evening there was a good programme of music. The comic element was provided by Mr. Bert Sydney, Mr. Noel Perns, Mr. Weir, and Mr. Bert Donaldson; while Mr. Clarke Willey, Mr. Atkinson, and Mr. V. Wood sang more serious pieces.

Concerts.

A concert promoted by the Irish Chemists' Assistants' Association was held on April 12 at 12 Harcourt Street, Dublin, the occasion being to give a farewell to Mr. A. Harmel, Ph.C., founder of the Association, who is leaving for South Africa. Mr. Morrow presided, and during the evening made a presentation, on behalf of the members, of a silver cigarette-case. The remainder of the evening was devoted to vocal and instrumental music, songs, duets, and piano solos being contributed by Messrs. Kelly, Fowler, Fisher, Kane, Burns, Ridge, Sweney, Huish, Caffrey, and Houston. During the intervals tea, coffee, and light refreshments were served under the supervision of Mr. and Mrs. McManus. The evening concluded with a vote of thanks to the Chairman and the singing of "Auld Lang Syne" and "Come Back to Erin."

An exceptionally delightful smoking-concert was given, under the presidency of Mr. Lionel Cooper, by the St. Vincent Association in the Café Monico, Piccadilly Circus, London, W., on Friday evening, April 8. Among those present were Mr. George Back, Mr. G. D. Bowie (Duncan, Flockhart & Co.), Mr. Crepin (Felton & Crepin), Mr. W. Everson (Hopkin & Williams), Mr. H. Hickey (Parke, Davis & Co.), Mr. Hopkins (Arnolds), Mr. S. Massey (Meggesons), Mr. Merryweather (Oppenheimers), Mr. C. Present and Mr. Smith (Sangers), Mr. E. F. Shackelford (Cresswells), and Mr. H. Zeal. The company numbered about two hundred, but had the excellence of the programme been better known more would have been present. The singers included Miss Elsa Hope and Miss Doris Lee, Messrs. Will Edwards, Harry Greene, Walter Walters, Robert Durston, and Guilbert Durston; Mr. Mark Hyam gave recitations; Mr. Alexander Prince, concertina solos; Mr. Sidney Gandy, ventriloquist, and his puppet "Eben-ezer," amused the audience immensely; and there was an extra in "Imitations" by Mr. James P. Sinclair, who came over from the Alhambra for this purpose, and found it difficult to give the audience enough. Mr. Willie Rouse was at the piano. The Concert Committee consisted of Mr. Sydney Jamieson (Musical Director), Mr. G. H. Peters, and Mr. H. G. Winchcombe. Before the proceedings concluded the President referred to the efforts which the Association had made for the relief of Mr. Harry Cox, the x-ray victim, and called upon Mr. G. R. Bailey (Hon. Secretary) to make a statement on this matter. Mr. Bailey recalled the fact that it was through this Association that a grant of 200*l.* from the Royal Bounty funds was made to Mr. Cox last year. Since then the Association had co-operated with Sir W. P. Treloar, who has established a fund for the relief of Mr. Cox and the support of his wife and family. During the year the Association has collected over 85*l.* for Mr. Cox. Mr. Bailey spoke feelingly of the heroic manner in which Mr. Cox bears his intense sufferings.

Trade Report and Market Review.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are obtained for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at these prices.

42 Cannon Street, London, E.C., April 14.

BUSINESS conditions in drugs and chemicals continue much as previously reported, with a fair number of price alterations, most of which are in favour of sellers. Norwegian cod-liver oil continues firm, but the inquiry is not brisk. Buchu is in good inquiry, and guinea grains are held for higher rates. Insect flowers are lower. B.P. almond oil is firm and castor oil is firmer. Saffron has again advanced, and carnauba wax has also improved. In chemicals bromides are quiet. Crude camphor is firm. Copper sulphate is lower. Lithia carb. is firmer in second hands. Several of the fixed oils are dearer, including coconut, linseed, and turpentine. Shellac is lower, and quicksilver is easier in second hands. The principal changes have been as follows:—

Higher	Firmer	Easier	Lower
Coconut oil	Acacia,	Ammonia	Chillies
Cod-liver oil	Soudan	sulphate	Copper
Linseed oil	c.i.f.	Quicksilver	sulphate
Lithia carb.	Carnauba wax	(sec. hands)	Insect flowers
Saffron	Castor oil	Senega	Shellac
Turpentine	Guinea grains		
	Nutmegs		
	(W.I.)		
	Lithia carb.		
	(sec. hands)		

Cablegrams.

BERGEN, April 13.—The cod-fishing at Lofoten is now closing, and that in Finnmarken district is limited to the eastern places, but prospects are fair. The market for finest non-congealing Lofoten oil is firm at 113s. 6d. per barrel c.i.f.

NEW YORK, April 14.—Business in drugs is moderate. Opium has advanced to \$5.60 per lb.—a rise of 15c. Cascara sagrada is steady at 7½c. per lb. Senega is lower at 55c. Peppermint oil in tins is now quoted \$1.95, a decline of 5c. per lb. Copiba is easier at 40c. for Central and South American. Balsam Peru is firm at \$1.65. Asafetida is nominal at \$1 per lb., and hydrastis (golden seal) is steady.

London Markets.

ALOE.—Forty cases Cape have arrived from Moesel Bay, also ten of Zanzibar in skins, and a parcel of sixty kegs Socotrine; small sales of this description have been made at from 80s. for soft to 90s. for good hard. Curaçao is slow, no good liver being obtainable, while capcy, which is plentiful, is neglected.

ANISEED is unchanged at 25s. per cwt. for good Russian and 37s. 6d. to 38s. 6d. for Spanish.

ARECA.—Holders ask 18s. 6d. on the spot for fair quality, and for export business has been done at 17s. c.i.f.

BALSAM TOLU.—Spot holders ask 1s. for good hard, and from U.S.A. 11d. c.i.f. is quoted.

BENZON.—Business has been done in good almondy. Sumatra seconds at 8l. per cwt. The *Kintuck* has brought 201 cases from Singapore.

BROMIDES.—Quiet at the official rates of from 10½d. to 10¾d. per lb. for potassium as to quantity; second-hands mostly offer at 10d.

BUCHU.—The *Norman* has brought 34 bales, all of which are for New York and the Continent; about nine bales will be offered at auction next week. There is a very fair inquiry, mostly for direct shipment, and buyers

are beginning to appreciate the fact that there is an actual shortage. Spot holders now ask 2s. 2d. per lb. for round green, and this price has been paid to-day.

CALABAR BEANS.—Ten bags Sierra Leone have been sold in Liverpool from store at 3¼d. per lb.

CAMPHOR (CRUDE).—China sells in small lots at 142s. 6d. to 145s. per cwt. spot, being firm; and April-June is quoted 140s. c.i.f.

CAMPHOR (REFINED).—Slabs are quoted at 1s. 6½d. (at which sales have been made), 1-oz. and 4-oz. at 1s. 7½d. per lb. spot.

CANARY-SEED is steady at recent quotations, namely, 42s. to 46s. for ordinary to good, and 50s. to 55s. for fine Morocco. Turkish is worth 42s. to 44s., River Plate 38s. to 45s., and Spanish 60s. to 65s., for good and 67s. 6d. to 80s. for fine to extra bold.

CARAWAY-SEED is quiet at 29s. to 31s. per cwt. for ordinary to good Dutch on the spot.

CARDAMOMS have been in steady demand since the auctions; decorticated seed is now in small compass, several holders having cleared their stock, and it would be difficult to buy at 1s. 9d.

CASCARA SAGRADA.—Strong advices continue to be received from New York in several directions, and higher prices are predicted. It is stated that purchases cannot be effected on the Pacific Coast at under 39s., while New York offers at 37s. 6d. c.i.f., an advance of 5s. On the spot several parcels have lately changed hands, values of old bark being from 38s. to 40s.

CHALK, PRECIPITATED, of finest quality is quoted at from 13l. 10s. to 14l. 10s. per ton in casks, ex wharf London.

CHILLIES were lower at auction, 100 bales Zanzibar selling without reserve at 38s. for fair stalky.

CINCHONA.—The exports from Java to Europe during March amounted to 1,376,000 Amst. lb., against 845,000 Amst. lb. in 1909. The total shipments for the quarter amount to 3,451,000 Amst. lb., against 2,927,000 Amst. lb. for the corresponding period of 1909. The exports from British India during the nine months ending 1909 were 301,280 lb., against 177,632 lb. in 1908 and 419,776 lb. in 1907. The first-hand stock of bark at Amsterdam on April 7 consisted of 3,480 packages Government and 13,220 packages private bark, or a total of 16,700 packages. Further particulars in regard to the Amsterdam auction to be held on April 28 show that the 6,595 packages to be offered weigh about 545,000 kilos.

CLOVES.—At auction 10 cases picked Penang were bought in at from 1s. 6d. to 1s. 8d. per lb. Privately, Zanzibar are lower, with a limited business, including June-August delivery at 5d. (closing sellers 4¾d.) and March-May shipment at 5d. c.i.f. d/w.

COPAIBA.—The exports from Ciudad Bolivar, Venezuela, during 1909 amounted to 16,924 kilos (1,723l.), against 20,211 kilos. (1,911l.) in 1908.

COPPER SULPHATE is 5s. per ton cheaper, ordinary Liverpool brands offering at 18l. 5s. per ton and May-June delivery at 18l. 10s.

CORIANDER-SEED is offering at 9s. to 9s. 6d. per cwt. for wormy and common, and 10s. to 10s. 9d. for fair to good Morocco.

CUMIN-SEED.—Some parcels of common Morocco have been sold at 31s. to 32s. per cwt., fair is quoted 33s. to 35s., but fine sifted is held for 40s. Malta is quiet at 40s. nominal value.

DILL-SEED.—A parcel was sold recently at 11s. 9d. per cwt. For shipment 12s. c.i.f. terms is asked.

DRAGON'S BLOOD.—A small lot of extra fine reboiled lump has arrived, which will meet with a ready sale.

FENUGREEK-SEED is steady at 11s. per cwt. for Morocco on the spot, but only retail sales have been made.

GAMBIER.—Sales of cubes have been made at 38s. spot.

GINGER.—Firm. At auction 838 packages Cochín and Calicut offered and were bought in, including A cut at 90s., unsorted at 60s., and washed Cochín at 50s. to 52s.

GUINEA GRAINS are held for higher prices, 85s. spot being asked in one quarter.

GUM ACACIA.—Soudan gums met with a fair jobbing business at from 33s. to 34s. for fair bright to yellowish soft sorts; market to arrive is firmer, 30s. c.i.f. being asked, bids of 29s. having been refused. In East Indian gums scented Aden of fair quality has been sold at 30s., and bold chips at 25s. spot. Ghatti is scarce and wanted. Senegal gum is firm, nothing being obtainable under 31s. per cwt. f.o.b. Bordeaux.

INSECT FLOWERS.—The market for closed and finest half-closed Dalmatian flowers is unaltered. Stocks of these grades in Trieste are small and owners there maintain prices, the value of finest closed being 160s. to 172s., and half-closed 120s. to 157s. 6d. per cwt. c. and f. London or Hull. The lower grades, especially "open," have declined, and are freely offered at from 95s. to 97s. 6d., but even at the lower values little is doing, and for quantity 92s. or 93s. c. and f. would probably be accepted; buyers are advised to cover for their current wants only, as the impression is that still lower values will prevail in the near future.

A report from Trieste on the insect-flower market states that the unusually high prices ruling during 1909 affected consumption, which fell off by about one third, as compared with previous years. Prices advanced to double previous rates, the upward movement being due to the partial failure of the crops and as the result of continuous drought. It is stated that the damage will not be repaired for several years until the new plantations are ready to bear, so that even should good weather prevail the harvest is likely to be inconsiderable. In some quarters it is thought doubtful if prices will ever be low again. Circumstances have changed in Dalmatia; formerly peasants and dealers were compelled to sell at the prices offered by Trieste houses, but every district has now its credit bank supported by large financial concerns. Owing to emigration to South America a scarcity of labour is complained of, and the cultivation of tobacco has also led to the neglect of insect-flowers. Much so-called insect-powder is being offered which has no affinity to the genuine article, and it is to be regretted that dealers contribute largely to the disrepute in which the article is now held by the public.

IPECACUANHA.—The *Asturias* from Monte Video has brought 17 packages of Matto Grosso. The stocks in the warehouse on March 14 consisted of 25 Minas, 46 Matto Grosso, 13 Johore, and 270 Cartagena. Cartagena is obtainable at from 6s. 3d. to 6s. 6d., the lower price for quantity. There have been small sales privately, with very fair deliveries of ipecacuanha since the auction.

LINSEED is very firm. It is difficult to buy any good quality under 70s. per quarter.

LITHIA CARBONATE.—Values in second-hands are now firmer, their prices being close up to those of makers, which are from 2s. to 2s. 6d. as to quantity.

MACE.—Steady. At auction 46 packages West Indian offered and sold at from 1s. 9d. to 1s. 10d. for fair palish, 1s. 7d. to 1s. 8d. for pale and reddish, 1s. 6d. to 1s. 8d. for dark red, and 1s. 5d. per lb. for broken.

MASTICH.—On account of unfavourable reports being received on the Trieste market from the producing districts, holders there state they have instructions not to sell below 250l. to 255l. per cent. c. and f.

MENTHOL has been in rather more inquiry on the spot, sellers of Kobayashi asking 8s. 6d., and Suzuki 8s. 5d.; some business in outside brands for April-May shipment has been done at 8s. c.i.f.

MORPHINE.—The makers are now asking 8s. per oz. for bottom quantities, and from second-hands a limited quantity of hydrochlor. powder is obtainable at 7s. 9d.

MUSK.—Fine blue skin Tonquin pod is very scarce, but arrivals are expected shortly; value of Pile 1 is

67s. 6d. and Pile 3 52s. 6d.; old style is unaltered at 52s. 6d. to 54s. per oz. Russian Cabardine is worth 19s. and China 25s. per oz.

NAPHTHALENE.—Present quotation of one of the principal makers is 10l. per ton for flake, 10l. 5s. for balls, and 10l. 10s. for candles, net cash, in ton lots.

NUTMEGS.—At auction 192 packages West Indian sold at $\frac{1}{2}$ d. per lb. advance for large and $\frac{1}{4}$ d. per lb. advance for small nuts.

OIL, ALMOND, is firm at 2s. per lb. for genuine B.P. sweet, but pressers are not keen sellers in view of the dearness of almonds and the reported damage by frosts to the crops.

OIL, ANISEED STAR, is quiet and unaltered at 4s. 6d. spot, and to arrive 4s. 3d. c.i.f. is quoted, but buyers do not offer more than 4s. 1d.

OIL, CASSIA.—Quiet at the following quotations: 70 to 75 per cent., 3s. 6d.; 75 to 80 per cent., 3s. 8d.; 80 to 85 per cent., 3s. 10d.; to arrive the nearest values are 3s. 3 $\frac{1}{2}$ d. for 80 to 85 per cent., 3s. 1 $\frac{1}{2}$ d. for 75 to 80 per cent., and 2s. 11 $\frac{1}{2}$ d. for 70 to 75 per cent.

OIL, CASTOR, has advanced to 30l. 5s. per ton in barrels, for first pressing of Hull make for April-June delivery, free on wharf London, while Belgian first pressing is quoted 30l. 10s. for prompt, ex wharf London. In Liverpool the quotation for good seconds Calcutta and first-pressing Belgian is 3 $\frac{1}{2}$ d. per lb.

OIL, CITRONELLA.—The spot quotation for Ceylon in drums is 1s. 0 $\frac{1}{2}$ d., and cases 1s. 1 $\frac{1}{2}$ d. per lb.

OIL, COD-LIVER.—Our Bergen correspondent writes on April 11 that the Lofoten fishing is still continued, but yielded only small results during the past week—i.e., 1.2 million of cod, with a yield of 800 barrels of oil. At Finmarken the week's catch is half a million, with 300 barrels of cod-liver oil. For the whole country the result is indicated as follows:

	1908	1909	1910
Catch of cod (millions)	32.5	35.1	32.2
Yield of cod-liver oil (barrels)...	39,200	34,000	23,500
Livers for "raw" oils (hect.)...	10,500	9,900	9,200

The market has turned quieter, and there has been no further rise in the quotations for the last three or four days. Finest non-congealing Lofoten oil is to-day quoted at 113s. 6d. per barrel c.i.f. Only a few and small lots of oil have been placed in Bergen at these figures. The exports from Bergen up to date amount to 3,140 barrels, against 4,510 barrels last year at this date.

A London advice dated April 12 states that the catch and output up to April 9 amounted as follows:

—	Fish	Livers for Raw Oils (hect.)	Yield of Medicinal Oil (hect.)
Lofoten, 1910	13,300,000	1,588	12,927
" 1909	16,200,000	2,240	19,620
Whole country, 1910	32,200,000	9,183	21,229
" " 1909	35,100,000	9,865	39,350

The market continues its upward movement, and for finest new non-freezing Lofoten oil 117s. per barrel c.i.f. London is quoted without engagement. In London prices for finest Norwegian oil are maintained at between 112s. 6d. and 117s. 6d. per barrel c.i.f., but the demand is slow; on the spot small sales of last season's oil have been made at 110s. per barrel.

OIL, OLIVE.—Guaranteed pure from Provence, is quoted at from 5s. 10d. to 6s. per gal. for "finest sublime," and at from 5s. to 5s. 2d. per gal. for "extra surfine," in casks, c.i.f. U.K. ports.

OIL, PEPPERMINT.—American "tin" oil has been in more demand recently, with sales at 8s. per lb. spot for good brands; H.G.H. is quoted 10s. 6d. In Japanese 5s. 2 $\frac{1}{2}$ d. has been paid for Kobayashi, with 5s. 3d. asked. Suzuki is quote 5s. 1d., and in "outside" brands sales to arrive have been made at 5s. c.i.f.

OILS (FIXED).—*Linseed* shows an advance of from 2s. to 2s. 6d. per cwt., spot pipes closing at 40s. 3d. (East Indian 10s. extra), and barrels at 40s. 9d. *Coconut* also shows a considerable advance, Cochin on the spot closing at 50s., and Ceylon at 45s. per cwt. *Cottonseed* is dearer, crude closing at 31s. 6d. on the spot, ordinary pale refined at 32s. and sweet refined at 35s. 6d. *Rape* is firm at 28s. 6d. spot for ordinary brown crude, 31s. for English refined in casks, and 28s. for Jamba. *Soya* oil has advanced 9d., and closes at 32s. naked, London. *Turpentine* on the week shows a slight advance of 3d., closing at 42s. 6d. for American on the spot. *Lagos Palm* oil is dearer at 35s. *Petroleum* is nominal at from 6d. to 6½d. for ordinary refined American, 7d. to 7½d. for waterwhite, and 5½d. for Russian.

OLIBANUM remains very scarce and wanted; there being no good drop. Ordinary siftings have been sold in retail at 16s.

OPIMUM is again higher in primary markets, it being stated that there are now no sellers under 15s. 9d. in Smyrna for good druggists, and on the spot 16s. is asked at the close. Soft-shipping has changed hands at 16s. 9d. for small lots, but holders now want 17s. Persian has sellers at 20s. per lb. spot.

A Smyrna correspondent, writing on April 2, states that the presence of American buyers has given a decided animation to the market. It had been hoped that America was supplied up to the new crop, and as the stock is reduced to between 350 and 400 cases it is difficult to foresee the limit of the bull movement which may follow. The total sales amount to 69 cases, and closed at piastres 142 for "choice extra," or 15s. 7d. c.i.f.; 20 cases are for London and the rest for U.S.A. Arrivals amount to 1,926 cases, against 2,044 cases. Writing on the same date, a second correspondent reports an active week at an occasional advance; the sales comprise 10 cases old extra Karahissar t.q. at the equivalent of 13s. 7d., 35 cases new ditto at 14s. 7d., 22 cases new "extra" at 15s. 2d. to 15s. 4d., two cases Islam Keny at 15s. 10d., and 14 cases inferior at from 9s. 9d. to 12s. 10d. per lb. c.i.f. It is noticeable that for the past twenty years the stock has never been so low, and this despite the very favourable reports of the new crop. Should demand continue as active as at present, prices are bound to rise, all the more so if the large American buyer, who has so long been absent from operations, should begin to take part.

An advice from Salonica dated April 3 states that during the last three days the primary markets closed firm, with a slight advance due to shortage and concentration of stocks. Holders maintain firm views for spot goods, and if they are in no hurry to liquidate stocks, prices will be maintained. But as the new crop is approaching, and as the prospects are very satisfactory, no further advance seems possible. Prospects for lower prices will become healthier daily should buyers hold off and buy from hand to mouth only. It is agreed that very low prices are to be expected at the beginning of the new season should the prophecies in regard to an exceptionally good crop prove correct.

Writing on April 9 a Smyrna correspondent reports that the sales amount to 16 cases for America at 14s piastres or 16s. c.i.f. for extra Karahissar. Market closes firmly, with buyers. 150 piastres or 16s. 6d. has been refused for new crop Karahissar.

PEPPER (BLACK).—At auction 100 bags good Alleppy were bought in at 4d. Privately the spot market is unaltered at 4½d. for fair Singapore. For arrival, prices are easier, April-June shipment offering at 3½d., May-July at 3½d., and August-October at 3½d. c.i.f. d/w.

PEPPER (WHITE).—In auction 66 bags Singapore were bought in at 7d. for fair, 160 bags of fair Muntok at 7½d., and of Ceylon 17 bags sold at 6½d. for fair and 6½d. for brown. The market privately is easier, April-June shipment of Singapore offering at 6½d. and June-August at 6½d. c.i.f. d/w.; on the spot fair is quoted at 6½d.

PIMENTO.—Steady. At auction 64 bags offered and a few sold at 2½d. per lb.

QUICKSILVER.—The first-hand quotation is unaltered at 9l. 5s. per bottle, and seconds have declined to 9l.

The following figures represent the exports of quicksilver from the four principal producing countries from 1907 to 1909:

	1907	1908	1909
	Kilos.	Kilos.	Kilos.
Spain	1,510,259	1,514,823	1,502,775
Italy	350,700	564,701	714,400
Austria-Hungary ...	468,900	554,701	757,601
U. S. America (lb.)	381,913	224,692	510,241

POTASSIUM IODIDE of Japanese make is somewhat scarce on the spot at 7s. 6d. per lb. net, which compares with the English makers' price of 7s. 11d., less 5 per cent., so that there is little inducement to buy the former.

SAFFRON.—Since we quoted a fortnight ago, prices of finest Valencia have advanced a further 2s. 6d. per lb. to 45s. net, which figure has been paid. According to accounts received from Spain, supplies are difficult to obtain, and as a large proportion of the bulbs have been destroyed by drought, the outlook for the next crop is serious.

SARSAPARILLA.—About twelve bales red Native have arrived, and fourteen of grey Jamaica are close at hand.

SENEGA.—There has been more inquiry during the past few days than for some months past; sellers ask 2s. 4½d. to 2s. 5d. net on the spot, but New York asks 2s. 5½d.

SHELLAC.—At auction 447 cases offered without reserve and 390 cases sold at a decline of 2s. per cwt. for fine orange and second orange. Fine bright curly E. & O. sold at 75s., fine small free B.B. 75s., M.P. in diamond 74s., fine second orange 70s., good second orange 65s. to 67s., fair T.N. quality 63s., slightly matted 61s. to 63s., blocky G.A.L. garnet (45 cases) 53s. to 54s.; button, stamped pure, fine pale R.L., 86s.; good pale T.J.M., 80s. to 83s.; K.G.B.I., 87s.; I.L., 79s.; fine pale No. 1 button 69s., good 63s., fair cakey to hard cakey 56s. to 57s., good seconds free 53s., fair thirds 50s., fair fourths 45s., and low resinous 35s. per cwt. Privately the market is lower, the value of fair T.N. orange on the spot being 65s., and for arrival April-June shipment of T.N. is quoted 65s. nominally. Futures are also easier, May deliveries having been sold at 65s., July at 66s., and August at 67s. 6d. to 67s.

SOY is firm and scarce, good thick being worth 1s. 4d. per gall.

STROPHANTHUS.—Spot holders ask an advance of 6d. per lb., but where quantity is concerned the Continent is offering at much below the London quotation.

TONKA BEANS.—The exports from Ciudad Bolivar, Venezuela (according to the British Consul) during 1909 amounted to 346,215 kilos (40,030/), against 28,221 kilos. (3,467/.) in 1908, an increase of 317,894 kilos.

TRAGACANTH.—At auction on Wednesday 62 packages offered and sold without reserve on account of whom it may concern at 14l. 2s. 6d. for damaged firsts, 13l. 12s. 6d. for seconds, 8l. 7s. 6d. for fourths, 5l. 7s. 6d. to 7l. 5s. for hoggy fifths, from 4l. to 5l. 5s. for badly damaged, and from 50s. to 92s. 6d. for dark hog to reddish.

WAX, CARNAUBA, is firmer, sellers asking 97s. 6d. for waxy grey on the spot, business having been done at 95s.

WAX, JAPAN, is quiet at from 42s. to 42s. 6d. spot, and to arrive at 39s. 3d. c.i.f. in fifty-case lots.

WAX, PARAFFIN, is quoted at 3½d. per lb. in 2-cwt. cases for 130 to 135 m.p. (B.P.).

Heavy Chemicals.

There is a steady business being transacted in heavy chemicals at all main centres of the industry, although there is no great pressure. Export business in main products is on the increase. There is little special to say with regard to values, the late position of steady at unaltered rates still continuing.

SULPHATE OF AMMONIA is on the quiet side, and prices have declined somewhat. Stocks are somewhat on the increase, owing to the present poor demand from abroad. Home trade business, on the whole, is very fair. Makers' ideas of price for forward July-December are in the neighbourhood of 11l. 7s. 6d. to 12l., but little actual business is passing. Present nearest figures: Beckton prompt, 12l. 7s. 6d.; Beckton terms, 12l. 2s. 6d. to 12l. 3s. 9d.; London, 12l. 2s. 6d.; Leith, 12l. 7s. 6d.; Hull, 12l. 3s. 9d.; and Liverpool, 12l. 5s. to 12l. 6s. 3d.

BENZOLS are very steady, with tendency towards advance; 90 per cent. stands at present at 8d., and 50 per cent. at 9d.

STRONTIUM-PRODUCTS are in fair average request at late rates. Hydrate of strontia crystals in casks, 9l. to 9l. 15s. per ton. Precipitated carbonate of strontia, 90 to 95 per cent., 11l. to 12l. 10s. per ton. Mineral carbonate of strontia, lump, 87 to 91 per cent., 14l., and smalls, 80 to 85 per cent., 12l. per ton.

LEAD-PRODUCTS are on the whole steady, with fair business passing. White lead, 16l. 10s., and red lead 15l. 10s. per ton Tyne. White acetate of lead, 23l. 5s. to 23l. 10s.; brown

acetate of lead, 20*l.* 10*s.* to 21*l.*; nitrate of lead, 25*l.* 15*s.* to 26*l.*, all per ton and less 2½ per cent. Glasgow.

MAGNESIUM SALTS.—Moving quietly at unchanged rates. Sulphate, 62*s.* 6*d.* to 65*s.* per ton; chloride, 67*s.* 6*d.* to 70*s.* per ton; and carbonate, 30*s.* to 35*s.* per cwt.

ZINC SALTS.—Quietly steady. Zinc sulphate crystals, 6*l.* 15*s.* to 7*l.* per ton, and zinc chloride solution, 100° Tw., 6*l.* to 6*l.* 5*s.* per ton.

Continental Drug and Chemical Markets.

ACID, ACETIC, is unusually steady; demand has increased, and prices for export are higher, and may be expected to continue to advance until autumn. The present price of m.75 per 100 kilos. for 98 to 100 per cent. must, in view of these circumstances, be considered moderate.

AMYLIC ALCOHOL.—Owing to continued scarcity, prices have been further advanced by m.20 per 100 kilos. to m.260 to m.280 per 100 kilos., and amyl acetate to m.240 to m.260 per 100 kilos. in wholesale quantities. A further rise is possible.

BALSAM TOLU.—Small quantities are being imported and sold at current prices. The last quotations ranged, according to quality, at between m.1.75 and m.1.80 per kilo.

CARNAUBA WAX.—Grey qualities have further steadied, as consumers have placed considerable orders, and this in spite of the fact that there are still 1,500 bags, recently arrived, on the market. The market closes steadily. Fatty grey is quoted m.187.50; current grey at m.197.50; and middling yellow at m.310.

CASCARA SAGRADA.—According to reports received, the crop of cascara is expected to be small. For goods afloat m.75 per 100 kilos. has been paid, whereas for spot m.80 is quoted.

FORMALDEHYDE.—The consumption has assumed considerable proportions, so that the manufacture is becoming more extensive and the works are well employed. From m.70 to m.75 per 100 kilos. is quoted.

GLYCERIN continues flat, and a fall in crude of 10*f.* on the Paris quotation of 147.50*f.* is noted. Little business is being done in refined; the second-hands' attempts to force business is unsuccessful, as there is no demand. The present uncertain situation is likely to lead to a decline in price in refined.

HYDRASTIS.—Despite the high quotations, there has recently been an increased demand. Supplies in Hamburg were bought by consumers at m.19 per kilo. and upwards.

LYCOPODIUM is somewhat more abundant at about m.320 in bags.

POTASH BICHROMATE.—Though a convention has existed for some months, it is not unusual to find offers below the syndicate quotations. It is presumable that these will shortly cease and that the official quotation of from m.64 to m.70 per 100 kilos. in original casks will be generally observed.

TONKA BEANS.—The stocks of good Angostura have been almost cleared, and only small lots are offered at between m.14 and m.15 per kilo. Second qualities are quoted at lower rates and Surinam are also cheaper.

WAX (JAPAN).—Neglected. Offers for delivery, which continue to vary between m.82 and m.81 per 100 kilos., are of no interest at the moment. Spot (Hamburg) is maintained at from m.83.50 to m.84 for small quantities net cash.

Glycerin.

Writing in their April circular, a London firm of chemical merchants state that "the tendency has, during the last few weeks, undergone a change and become somewhat uncertain. Owing to the threat of the United States to put an *ad valorem* duty of 25 per cent. on French crude glycerin, which has been largely bought for forward shipment by the United States, the market became unsettled, and for a time there was a distinct weakness. Meanwhile the proposal to charge this excessive duty has been withdrawn, and, as supplies continue relatively scarce and do not apparently exceed actual demand, it is not probable that an altogether lower level of prices will be established. Distillers evidently hold this view, since they did not make any change in prices for distilled qualities at their meeting on March 16. They are busy making deliveries, largely off previous contracts, and clearly do not anticipate that an occasion to reduce prices will arise. Although the world's production of glycerin has of late increased, the consumption is, we believe, relatively even greater, partly due to the works on the Panama Canal and engineering enterprises in the U.S. and Canada, and much more so to the increasing requirements in the South African mines." Meanwhile the official price for double-distilled e.g. 1.260 in 56-lb. tins and cases is 99*l.* per ton for 5-ton contracts and 95*l.* in drums.

Messrs. Lorimer & Co., Ltd., Britannia Row, London, N., inform us that under the winding-up order granted last week (*C. & D.*, April 9, p. 535) a special manager has been appointed pending the completion of arrangements for reconstruction, and business, in the meantime, is being conducted as usual.

Poisoning Cases.

TWELVE fatalities, including four misadventures, have been recorded since our last issue.

Aconite.—George Raisbeck (64), labourer, Thornaby, died in consequence of taking aconite liniment instead of medicine. The liniment was obtained from Mr. W. H. Round, chemist and druggist, Thornaby. It was properly labelled, and a verbal warning given as to its use at the time.

An **Ammonia** solution caused the death of William Allen (63), farm-labourer, Greenhill, Derbyshire, who took it in mistake for medicine.

Benzine.—Wm. R. Treadway (50), labourer at Messrs. Carless, Capel & Leonard's chemical-works, committed suicide by entering a benzine-generator.

Carbolic Acid.—The Southwark Coroner (Dr. F. J. Waldo) held on April 8 an inquest regarding the death of Eliza Caroline Jones (16). It was stated that deceased, who acted as mother to her six brothers and sisters, was in the habit of obtaining carbolic acid from some people in a downstairs flat, which she diluted and used for cleaning the children's heads. Deceased was found dead with a bottle close by labelled "Pure Carbolic Acid. J. T. Jones, cash store chemist, 3 Tower Bridge Road." The Coroner remarked in the course of the inquiry: "It is a curious anomaly of the law that a child may not go and fetch beer, but any child can go to a chemist and buy a deadly poison like carbolic acid." Dr. Donelly having deposed that death was due to carbolic-acid poisoning, the Coroner said the poison was supposed to have been purchased from Messrs. Poingdestre & Truman, 71 Old Kent Road, but if so the label had become detached from the bottle. Mr. Colin C. Davies, an assistant to Messrs. Poingdestre & Truman, but not a registered chemist, deposed to serving carbolic acid several times in the bottle produced. A lot of little children came for the poison, and it was served every hour of the day. He sold the acid under qualified supervision, and he had recognised the dead girl as having bought carbolic acid on the previous Tuesday. She laughed and said she knew all about it. Evidence was also given by Mr. F. W. Truman, chemist, 71 Old Kent Road, who said he had known that same bottle to come to the shop for years. He considered it very advisable to alter the law so as to prohibit children being allowed to be served with poison in this way. The jury returned a verdict of "Suicide while of unsound mind," adding, "and the jurors are of opinion that the sale of any kind of poison to young children under a certain age, as given in evidence at this inquest, should be prohibited by law." Dr. Waldo said he would forward the recommendation to every quarter where it would be likely to have weight.

Laudanum.—At the inquest held at Leeds on Fanny Marsden (69), Dunkirk Hill, Armley, it was stated that deceased had been addicted to taking laudanum for years. Dr. Robertson deposed that death was due to an overdose of the drug, brought about probably by the fact that while in hospital she had been denied its use.—Robt. E. Harris (36), watchmaker, Shipley, committed suicide with laudanum.—An out-of-work bus-driver named Ben South (51) died in the Paddington Infirmary from pneumonia accelerated by an overdose of laudanum.—Annie Eldridge (18), Walthamstow, poisoned herself with laudanum in the garden of the Grey Ladies' Community House, Coventry. She had bought 3*d.* worth from Mr. S. H. Bird, chemist and druggist, 156 Spon Street, Coventry.

Morphine.—Commander Mountjoy Squire, retired naval officer, at Southampton, by inadvertence, took a fatal dose of morphine.

Potassium Bichromate.—Henry Bassett (20) ended his life in Epping Forest by taking bichromate of potassium.

Prussic Acid.—At Yarmouth, George Jarvis Atherton (62), cabman, poisoned himself by taking prussic acid. Mr. P. R. Hill, Ph.C., Gorleston, deposed at the inquest that he supplied deceased with 2 drams of prussic acid to poison a retriever. Atherton appeared quite normal, and signed the poison-register. An open verdict was returned.—Sir T. S. Tancered, Bart. (70), of Boroughbridge, was found dying in Hyde Park, London, W., on April 11. He had taken prussic acid.

Sulphuric Acid.—Alfred A. Stewart (38), veterinary surgeon, Durham, has poisoned himself with vitriol.

RUSSIAN PERFUMERY FOR TURKEY.—The introduction of Russian goods into the ports of the Levant and the development of Russian export trade has received an impetus by a Floating Exhibition, which has recently called at all the leading Levant ports. At Smyrna an order for 560,000*f.* worth of perfumery spread over four years was booked by Messrs. Brocart, of Moscow.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they are not recorded.

Queries by subscribers on dispensing, legal, and miscellaneous subjects pertaining to pharmacy and its allied trades are replied to in these columns, if they are of general interest.

Letters submitted to the Editor for publication (if suitable) should be written on one side of the paper only. Their publication in the "C. & D." does not imply our agreement with the opinions of the writers.

"A Harmless Little Talk."

SIR,—Dr. Cavanagh says that the "method and objects" of selective breeding are different in the case of cattle from what they would be in the case of human beings, but (he adds) "the principle is the same." But could the principle be applied? We are not cattle (chattels), but men and women, each with an individual soul, a "reasonable soul," for which its possessor is himself responsible, and of which he alone is the master. We are not even mere members of a state or community, as Plato, with whom this idea of selective breeding seems first to have taken shape, would have us be; and the reasons urged by Jowett and Mr. Nettleship against his scheme have still force against the schemes of to-day, even against so comparatively mild a one as Dr. Saleeby's. They would all "imply that certain persons in the community were to determine the end for which other persons, the majority, were to live." This would mean slavery to a set of experts, a slavery than which I can imagine none worse.

But Dr. Cavanagh appears to go beyond Dr. Saleeby. The latter denies "the right of the eugenic idea to any voice or place as to the fate of children *once they have come into being*"; Dr. Cavanagh, on the other hand, expresses doubts as to whether an anæmic existence is worth preserving, and asks if the unfit were not "better dead." Has anyone a right to ask such a question?—a question which certainly nobody has a right to answer. Who knows what lives are of most use to the world? Many of the greatest and best of men have been chronic invalids or hopelessly diseased. Caesar himself was an epileptic, so was Peter the Great; so was Mohammed. Pope's life was one "long disease," so was R. L. Stevenson's; Darwin did his work in physical pain and weakness that would have disabled most men; and, not to multiply instances, there have been countless millions of physically frail men and women who, if not great, were fountains of goodness in our arid world. Their very weakness has called forth heroism both in themselves and others.

A word as to Dr. Cavanagh's arguments. He seems to argue that civilisation might be set right by the observance of the laws of health, because, "*once they were observed*," civilisation "must permit of and conform to them"; that is, civilisation may be set right by observing the laws of health, because such observance will set it right, a "weird statement," indeed, for one who prides himself on being logical! May I refer him to what Mill says of the *petitio principii* ("System of Logic," v. 7, 2)? With regard to drugs, he concedes all for which I contend, but sticks to his definition of poison. Drugs, he says, are poisons, because they are not assimilated; but iron and hypophosphites are assimilated, and therefore are not drugs but food, and, *ex hypothesi*, not poisons. But food is poison under certain conditions, and therefore iron and hypophosphites may be poisons, too. A definition which thus leaves us in doubt as to when that which is not a poison is a poison is not of much practical value, whether it is "scientific" or not. Dr. Cavanagh need not have been annoyed by my question with regard to it, for as good men as he have declined the task of defining "poison" scientifically; authorities agree, however, in this—that the term can only be used if substances which being "absorbed into the living organism injure the health or destroy life." Can it be said that a substance which being thus absorbed into a diseased organism

corrects its disorders, restores it to its normal health, and is then eliminated, does either the one or the other?

It should not be necessary to say that while combating what appear to be Dr. Cavanagh's views I do not dispute the necessity of personal selection and personal restraint, but merely anything in the nature of State interference with natural human rights, whether to parenthood or to life itself.

I am, etc.,

YOUR CONTRIBUTOR.

P.S.—I have omitted to say that I only know Dr. Cavanagh's views from a brief report in the "Sheffield Telegraph."

The British Pharmacopœia as a Legal Standard.

SIR.—I have read carefully Mr. E. J. Parry's article in *C. & D.*, April 2, and I entirely agree with the views he so clearly expresses, but I would add a caution against any rash legalising of the British Pharmacopœia as a restrictive standard. In its present status the B.P. is merely a convenient arrangement by which prescribers and dispensers facilitate the dispensing of prescriptions, it is not necessarily the only standard even for articles mentioned in it. It is important that this position should be upheld. There is a strong disposition to forget it, even on the part of those who are most familiar with the varied outlets and uses for drugs—a fact which is exemplified in the adoption of averages as Pharmacopœia standards. What we want for therapeutical purposes is the best, whatever the averages may be, and whatever the uses that other qualities may be put to.

Yours truly,

PHARMACIST. (128/3.)

SIR.—One of the most remarkable points which arrests the attention of the student of the British laws which aim at the prevention of adulteration is the absence of authoritative standards. The standard of quality of any article of food or medicine demanded by a purchaser is a question of fact to be determined by evidence. It is true that in the case of certain foods the Board of Agriculture has power to make, and has exercised its power, regulations for determining what deficiency in any of the normal constituents of such foods shall, for the purposes of the Sale of Food and Drugs Acts, raise a presumption, until the contrary is proved, that the foods are not genuine, or are injurious to health, but there is no such provision in the case of drugs. It is, therefore, not surprising that the British Pharmacopœia, which is a standard for the compounding of any medicines named therein under Section 15 of the Pharmacy Act, 1868, should have been taken as ready-made evidence, by means of which a *prima facie* case may be made out under the Sale of Food and Drugs Acts. And this use of the Pharmacopœia has been sanctioned, as has been repeatedly pointed out in the columns of *THE CHEMIST AND DRUGGIST*, by a series of judicial decisions, the general effect of which is that for compounded drugs the standard of the British Pharmacopœia, although not absolutely conclusive, can only be rebutted by very strong evidence that some other commercial standard obtains in specific instances.

But there has been no authoritative decision as to crude drugs—nothing to show, for example, the application of the restrictive standard of the Pharmacopœia for opium, which, when dried and powdered, the powder heated to 212° F. until it ceases to lose moisture, and the product tested by the pharmacopœial method, such dry powder must yield not less than 9½ per cent. and not more than 10½ per cent. of anhydrous morphine; nor that aconite-root must necessarily be the product of plants cultivated in Britain, nor ipécacuanha the root of *Psychotria Ipécacuanha* alone. It may well be assumed, however, that if crude drugs are required for medicinal purposes they should conform to the standards, descriptions, and tests of the British Pharmacopœia, provided always that such tests, descriptions, and standards are consistent *inter se*. When drugs are used for purposes other than medicinal, the case is different. In such circumstances they cease to be drugs within the meaning of the Sale of Food and Drugs Acts. This is shown by the decision in *Fowle v. Fowle* (*C. & D.*, 1896, II., p. 691). In this case beeswax was sold, which was adulterated to the extent of half its weight with paraffin. It was proved by evidence that beeswax is used in the preparation of medicines and is

included in the British Pharmacopœia, wherein it is described as prepared from the honeycomb of the hive bee (*Apis mellifica*), and required to answer a test showing freedom from paraffin. It was held by Justices Grantham and Wright that in the circumstances the beeswax was not a drug within the meaning of the Act, and that, therefore, no offence had been committed under the Act. In his judgment Mr. Justice Grantham remarked:

"Everyone could think of instances where beeswax was used not as a drug. It was sold by a grocer at a little country shop. The grocer did not make it. He said he did not know what its constituents were."

Such, put very briefly, is the position of the British Pharmacopœia as a standard—anomalous, uncertain, working with a maximum of friction for a minimum of force. It remains to be considered upon what lines future legislation should be framed. And it may be said at once that standards, restrictive or elective—describe them as you will—are imperatively needed for medicinal agents. The one outstanding essential quality of drugs is uniformity. In the case of foods it is poverty and weakness which have to be guarded against; in that of drugs richness and strength may be as detrimental as their antitheses. It will be remembered by many of the readers of *THE CHEMIST AND DRUGGIST* that when the morphine strength of opium was first fixed at, approximately, 10 per cent., drug-merchants raised an outcry that the result would be deterioration in the quality of the supplies sent to the British market. But the General Medical Council, in its capacity as framer of standards which shall rule alike for the physician who prescribes and the pharmacist who dispenses for the benefit of suffering humanity, has no concern with the exigencies of commerce, except in so far as it is necessary to lay down rules which it is possible under existing normal conditions to enforce.

The Pharmacopœia might well be made a statutory standard for drugs when used as such, provided always that its standards, descriptions, and tests are framed, as they have not always been, by the consensus of opinion of qualified experts—medical, pharmaceutical, and analytical—and that it be clearly understood that the same stringent standards do not necessarily apply to drugs, not used as such, but in the arts, manufactures, or for commercial or domestic purposes. This latter point is pithily expressed in the following words, which I find in the preface to the 1900 edition of the Pharmacopœia of the United States of America:

"Inasmuch as there has existed in the past on the part of the public a misconception of the purposes of a Pharmacopœia, and penalties have been imposed upon those who sold substances bearing pharmacopœial names which were to be used in the arts for manufacturing and other purposes, and not as medicines, it has become necessary to make the following declaration: The standards of purity and strength prescribed in the text of this Pharmacopœia are intended to apply to substances which are used solely for medicinal purposes, and when professedly bought, sold, or dispensed as such."

Yours faithfully,

H. WIPPELL GADD

(of the Middle Temple, Barrister-at-law).

Exeter, April 5.

Subscribers' Symposium.

(Information Solicited or Supplied.)

Hartshorn and Oil.

It is thirty years since I began my apprenticeship, and the labels then read "Hartshorn and Sweet Oil"; this means in the North of England liq. ammon. et ol. colzæ. The usual formula here is liq. ammon. 1 part, oil 3 parts. The labels now read "Hartshorn and Oil," but the public still ask for "Hartshorn and Sweet Oil."—*J. J. Witten (Sunderland)*.

I consider that lin. ammon. B.P. is hartshorn and oil. It is troublesome, but is not so bad as the old formula without the ol. amygd. If the liq. ammon. is mixed with an equal portion of oil and allowed to stand for twelve hours before the addition of the remainder, it is a great improvement. I have tried sesame oil and soya oil, but am not inclined to go in for either—the latter is too dark. Ol. rapii I would never think of.—*Delta*, (131/42).

When I entered the drug-trade, forty years ago this month, we made hartshorn and oil by the 1868 B.P. process for lin.

ammon., which, I think, was 1 of liq. ammonia and 3 of olive oil. The bottle was a 30-oz. shop-round, and we simply measured in the required volume of ammonia and filled up with oil. There was never time for the liniment to become solid, and it was many years before I knew that the B.P. formula had this failing. We used to find quantities of solid liniment in customers' bottles that came in to be refilled, but this was always set down to evaporation of the water.—*Anglo-Scot.* (134/2.)

Alcohol at Guy's Hospital.

In your note on hospital drugs in the issue of April 2 the statement appears that the increased duty on alcohol is found to be 182%. May I point out that in "Guy's Hospital Gazette" (from which these figures are taken) the amount is correctly given as 34%.—*H. Finemore (Guy's Hospital)*.

"Touch the Button."

The Kodak Co. belong to the "peculiar people": their rules are of the Medes and Persians type; they refuse supplies through wholesalers, and try to insist on all chemists having a first order of 5l. before they will deal at all. That's all right for some men; but in districts away from railway stations and passing or tourist traffic you do not need more than 1l. of stock of films. They therefore favour Boots as against the ordinary man, because, though all Boots' branches don't touch photography, yet any of the branches can, I think, get ½ doz. of films; and I don't suppose Boots give an opening order of 5l. per shop. Kodak even try to prevent retailers from obliging another chemist, and result is I have to buy my stock of Kodak films at retail price and *incoq*, so as not to get my brother chips into trouble. Can Kodak tell us why this peculiar system of business should be?—*David Moray*.

Legal Queries.

Consult the legal information in "The Chemists' and Druggists' Diary," 1910, before writing about your difficulty.

Scotus (132/50).—A. is an unqualified chemist, but keeps open shop, and has a registered assistant, B. Under the new Act can A. use the title "Chemist" on labels, etc.? [No; and if B. sells poisons A. infringes Section 15 of the 1868 Act by keeping open shop for the sale of poisons. B. may also be got at for aiding and abetting A. to break the law.]

Rojam (134/35).—As far as we are aware, the title "Cream of Magnesia" is not protected, and may be used by anybody. The use of titles resembling registered trade-marks as descriptions for imitation preparations is always risky, and frequently unfair, if not illegal. Although there may be no colourable imitation in the get-up, the conditions of sale may constitute an illegal act.

P. O. (131/37).—Your queries indicate that you have not absorbed the information in the Pharmaceutical Society of Ireland's calendar very intelligently. We simply state briefly that pharmaceutical chemists may compound medical prescriptions; druggists and chemists and druggists may not. Four years' apprenticeship with a pharmaceutical chemist (or other person as stated in the calendar) must be served and testified to before entering for the Licence examination; but in the case of persons who have served four years with a chemist and druggist or registered druggist, two years only with a pharmaceutical chemist is necessary.

Halley (134/10).—The use by a chemist in this country of a description such as "Halley's Digestive Syrup, prepared by Halley's Medical Co., Pittsburg, U.S.A.," which company is quite fictitious, may contravene the Merchandise-marks Act. There is an implied warranty in the sale of marked goods on the part of the seller that the marks are genuine. In this case the "Halley Medical Co., Pittsburg, U.S.A." is calculated to deceive purchasers as to the country of origin, and unless there is added a note to the effect that the syrup is made in this country, the seller is liable to prosecution under the Merchandise-marks Act.

M. W. (120/45) puts up an "indigestion-cure" which is labelled with an appropriate disclosure, and is recommended on the label. He wants to know if he may advertise it in a periodical without incurring liability to stamp-duty. This can, of course, be done, but it is advisable in all such cases to ensure (1) that the disclosure on the label is accurate (in many examples submitted to us the disclosure is either inaccurate or incomplete), and (2) that no claim to exclusive right or secret art or other proprietary claim is made in respect to the medicine: if either of these be done, the medicine is not a known, admitted, and approved remedy, although the disclosure conforms with the regulations.

Miscellaneous Inquiries.

As we do not in this section repeat information given during the past twelve months, inquirers should refer to the copies mentioned. Back numbers for the past five years can generally be obtained from our office at the published prices.

J. H. W. (Natal) (124/9).—Your inquiry regarding the purification of spirit was answered in the *C. & D.*, March 12, p. 119.

Alpha (118/60).—MISCIBLE OILS used as insecticides.—See the *Chemists' and Druggists' Diary*, 1910, p. 223.

S. R. C. (106/44).—(1) Any heart stimulant is of service as an antidote to cocaine in tooth-extraction, an Easton's syrup pill, for instance, or any other containing strychnine—e.g., strychnine gr. $\frac{1}{16}$, ammon. carb. gr. iss. Ft. pil. (2) Neither of the methods which you describe for sterilising a hypodermic syringe is efficient; see *C. & D.*, September 25, 1909, p. 506.

H. C. (114/10).—CERTIFICATE OF THE APOTHECARIES' COMPANY.—See our Educational Number, August 15, 1910; also descriptions of the Assistants' examination in the *C. & D.*, July 24, 1909, and February 5, 1910. For copies apply to the Publisher of the *C. & D.*

R. E. S. (132/35).—LIN. POTASSH IODIDI CUM SAFONE.—If properly made, the B.P. quantity (14½ oz.) should go into a 1-lb. pot. The liniment should not be frothy, but should more resemble an opalescent white jelly. You must have worked an unnecessary amount of air into the liniment, seeing that you required a 2-lb. pot for less than 3 oz.

J. H. (105/44).—LIME AND THE TEETH.—The question as to whether lime is necessary for children from five to fourteen, especially in the formation of teeth, is one of the most debated points in dentistry. According to Mr. Tomes and Dr. Black, the supposed deficiency of lime salts in teeth (known as "soft" teeth) does not exist. Until there is further evidence, however, we should not suppose that teeth do not differ in hardness. Rose, in his researches, found that in country places where the water was poor in lime that decay was found in 98.7 per cent. of the teeth of children, and in places where the water was rich in lime decay only occurred in 79 per cent. This evidently so far proves that the harder the water the better the teeth. Whatever the structure of the teeth may be, the more they are used, and the more fibrous is the food eaten, the less decay is found in the mouth, the stronger the teeth, and the healthier the gums. Apart from the teeth, all the bones of the body at the ages mentioned are gradually developing, and lime salts are undoubtedly needed to help the structure. Perhaps one of the many phosphate tonics given at judicious intervals would be the best form of supplying any deficiency of lime salts in the water or food. At birth the calcification of the upper front temporary, or first, teeth has proceeded just the length mentioned. The ridge or malformation is very probably due to some exciting cause at this time, which stops development for a short period. It is difficult to prove with the milk-teeth the cause of these malformations, but more satisfactory results have been had with the permanent teeth. For example: About the ages of four or five years practically three-quarters of the crown of the permanent front upper or lower teeth have calcified (these teeth being still in the bony crypt under the milk-teeth). Perhaps at this stage the child has an attack of measles or scarlet fever; development is stopped during this illness, and a ridge or groove appears on the permanent teeth. Another example is where the cutting edge of the permanent teeth is deformed or marked. This points to some cause during the first two years of life. It is invariably found on inquiry that the child has very likely been given some form of soothing or teething powders containing mercury. Like everything else, however, the above examples are open to exception. Many children may have fevers or dozens of soothing-powders, and yet show no malformation of the teeth.

W. K. (255/9).—SOLDERING EARTHENWARE.—The solder recommended for this is composed of tin 95 parts, zinc 5 parts (this gives a m.p. of 200° C.), or tin 90 parts, aluminium 10 parts (m.p. 390° C.). The edges of the fracture are heated, rubbed with the solder, and the broken pieces clamped together until cold. Another solder used for glass and earthenware is copper and mercury amalgam. Copper dust, 20 or 30 parts, is mixed into a paste with sulphuric acid, and added to 80 or 70 parts of mercury. When an amalgam has formed the acid is washed out, and after twelve hours the solder is ready for use. For this purpose the amalgam is strongly heated, worked up in an iron mortar into a plastic state, and applied to the edges to be united, keeping them pressed together until quite cold.

Gem (114/59).—BLEACHING ANIMAL FAT FOR SOAP-MAKING.—The problem is not altogether free from difficulties, as the

colour often "reverts" at a later stage in the manufacture, and one cannot tell beforehand which process will be the best for a particular fat. As a rule, however, tallow is best bleached by the manganese dioxide and sulphuric acid method of generating nascent oxygen in the fat. Other agents employed are potassium bichromate, potassium permanganate, the peroxides, perborates, persulphates, percarbonates, and organic peroxides.

Pioneer (100/71).—CASTRATION OINTMENT FOR LAMBS.—The following is the formula for the green ointment usually employed:

Cupri acet.	...	...	...	...	3iij.
Terebinth. Venet.	...	...	...	...	3ij.
Adipis	...	...	...	...	3x.

Misce.

H. & S. (126/58).—MEAT AND MALT WINE:

Extract of meat	...	...	...	...	3iv.
Extract of malt	...	...	...	...	3viij.
Port wine	...	...	...	...	Cong. j.

Rub down the extracts with a pint of the wine and add to the rest. Shake, set aside for fourteen days, decant, and filter the sediment.

F. H. J. (117/11).—INFANT FEEDING.—A note on the use of milk-powder for infant feeding was given in the *C. & D.*, February 12, p. 252. From 3½ to 4 oz. of powdered milk to a quart of water is required to make a liquid equal to undiluted fresh milk.

Hotspur (109/72).—(1) CELLULOSE was first made in 1870, patents being granted in 1871 to the brothers J. S. and J. W. Hyatt, Newark, U.S. The process of manufacture is as follows: Pure cellulose is first converted into pyroxylin by the action of a mixture of nitric and sulphuric acid, the product being drained, squeezed, washed, and bleached. A mixture of alcohol and camphor is then sprinkled over the pyroxylin in close boxes to avoid waste of solvent. After a time the mass is taken out and kneaded under heated rollers until uniform, when it is rolled into sheets. These sheets are piled upon each other and subjected to hydraulic pressure until a solid block is formed. From this block sheets are subsequently cut of various thicknesses, according to the article it is desired to manufacture. Xylonite is the trade-name for the celluloid made by the British Xylonite Co. (2) EBONITE AND VULCANITE are varieties of sulphurised caoutchouc. The effect of heating indiarubber with a small proportion of sulphur is to give a product of greater stability, the method being known as vulcanisation. If the proportion of added sulphur is large—say, 25 per cent.—a hard inelastic product known as ebonite is produced. When a proportion of pigment is used with the sulphur and indiarubber, the result is vulcanite. Both ebonite and vulcanite are afterwards worked up into various articles by heat and pressure. (3) Celluloid is inflammable. (4) IVORINE is a somewhat indefinite term, and may apply to the artificial ivory made from compressed casein.

W. M. T. (127/4) requires information as to the utilisation of battery sludge as a paint-basis. Can any reader supply particulars?

Our Retrospect.

(From the "*C. & D.*," April 14, 1860.)

Trade Report.

As to drugs, camphor is more freely offered, and being less inquired for export, with a considerable quantity afloat, prices are 20s. lower. Cubebs are also 10s. lower, stocks having increased. Castor oil, being offered only in very small quantities, prices have improved ¼d. per lb. Essential oils are in fair demand, but no alteration in prices can be quoted. Aniseed, however, has been sold at P. S. at 8s. 5d. and 8s. 4d. Nutmegs 2½d. 2½d. per oz. Cinnamon 3s. 4d. and 3s. 10d., half to good heavy. Citronelle 3½d. per oz. Lemon grass 6d. and 7d. Otto of roses 17s. and 23s. per oz. Galls are in more demand, and good Turkey blues are worth 95s. and 105s. per cwt. Gums continue inquired for; Arabic, stock small; beeswax, scarce, and inquired for; bleached at 9l. 10s. and 10l. 10s., and unbleached 8l. 10s. and 9l. 5s. Japan wax in good demand, good 70s., middling 67s. 6d. per cwt. Senna, scarce and wanted, sales have been made at higher rates. Cream tartar, stock is increasing and market dull; for fine Venetia 7l. 12s. 6d. is asked. Tartaric acid, very dull, 2s. 0½d. and 2s. 1d. is the price asked, but few buyers of late. Oils: Linseed is quiet but steady, at 27l. 15s. and 28l.; rape, in small demand, at 41l. 10s. for foreign refined, and 39l. for brown.

PEARS

SOAPMAKERS

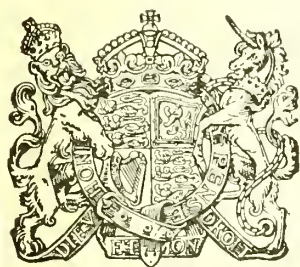
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their Majesties

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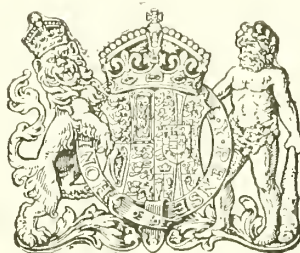
KING

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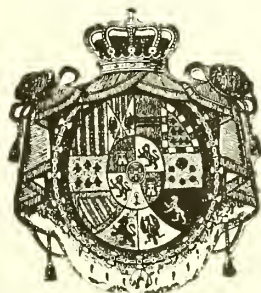


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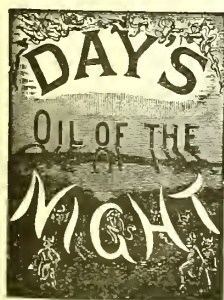
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IN TUBERCULOSIS

Thiocol is a Potassium Salt of Guaiacol Sulphate, and contains 52 per cent. Guaiacol. It is odourless and freely soluble in water.

Thiocol Powder 3/- per oz. Thiocol Tablets, tubes of 10 and 25, 9d. and 1/6 per tube. Prices subject.

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An uniform standardised Digitalis Preparation. 15 minims contain $\frac{1}{250}$ gr. Digitoxin Amorph. Solubile (Cloetta).

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NOTICE.

Owing to a friendly arrangement made with Messrs. Bourjois, the Parisian Makers of Java Powder, it is arranged that the Shen Poudre de Riz Java shall now be known as Shen Poudre de Riz YENA as illustration. No other alteration will be made.

Prices of SHEN YENA POWDER:

BIJOU	SMALL	LARGE	JUMBO
18/-	33/-	48/-	78/-

Will friends kindly note that there is no restriction on the disposal of the stock of Shen Java Powder on hand.

HUBBUCK'S PURE OXIDE OF ZINC.

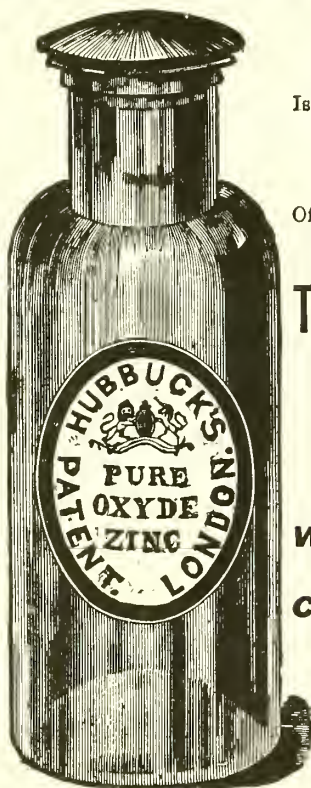
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Is made by Sublimation, and is Warranted
to contain upwards of

99 PER CENT.

Of Pure Oxide; in fact the impurities are
not traceable.

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Retail Price P.A.T.A. PROTECTED 1/- and 4/- face value. Carriage paid on all goods.

New and attractive Dummy Cartons, Show Cards, Window Slips, &c., free on application.

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These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda. This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda. This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali. 58 Degrees. A dry white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals. **NOTE.**—Proceedings have been taken by the Board of Trade against a person for selling as Soda Crystals an adulterated article, and the High Court has upheld the conviction. See the case of **FOWLER v. CRIPPS**, heard on 8th November, 1905, before a Divisional Court, consisting of the Lord Chief Justice, Mr. Justice Wills, and Mr. Justice Darling.

Caustic
Soda.

Bleaching
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Carbonate
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Lump and Powder.

Manufactured from pure Carbonate, and supplied of all degrees of strength.

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co's "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

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LOFTHOUSE & SALTMER, Wholesale and Export Drug Merchants, Manufacturing Chemists, HULL.

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		PROTECTED RETAIL PRICE.	DOZEN.			PROTECTED RETAIL PRICE.	DOZEN.
LOSALL'S SALT (well advertised), tins ...	6d. ...	1/-	3/6 net.	LOSALL'S ASTHMA REMEDY. Very effective. Large profit ...	1/-	7/6 net.	
" " " bottles ...	1/6	10/6		MALTED FOOD. Usual 1/- size, lever lid tins. Buyer's name and address printed free on 3 dozens. Special design label, name and address, on gross orders if desired ...	—	4/6	
LOSALL'S MILK FOOD, oblong tins, 1/- size. Ideal Food for children and adults ...	3d.	5/6		LOSALL'S BALL ROOM FLOOR POLISH. Sells well. Big profit ...	1/-	7/6	
NEST HYGIENIC FIRST MILK FOOD "Crown Brand," specially adapted for infants from birth to 3 or 4 months, tins 1/3 ...	1/-	7/6					

Chemists taking up the above really valuable, large profit-yielding lines, will find them an important adjunct to their business.

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The New Shape, Oval Fronted Bottles, 6 ounce size, 8 6 per gross

A Sample Free on Application.

Will you please try our **FIRST QUALITY BOTTLES, Round Edges, Plain or Graduated, Quinine Tinted.**

3 and 4 6 and 8 12 16 ounce.
 9/- 10/- 15/- 20/- per gross.

Six gross assorted or otherwise sent carriage paid.
PANEL BOTTLES (New Series), Green or Blue Glass. Good Quality.

2 2 1/2 4 6 8 10 ounce. In ordering please say if
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WHITE PHIALS—GOOD QUALITY.

3 1/2 1 1 1/2 2 ounce. Plain or teaspoons.
 3 1/2 4/- 4 1/2 5 1/2 6 per gross }

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 120 years. Bankers: London County and Westminster Bank.

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THE name "Milk Emulsion" is our Trade Mark for an Emulsion of Cod Liver Oil with Hypophosphites, and designates specially that it is our preparation. Our Emulsion is known in commerce as "Milk Emulsion," and when "Milk Emulsion" is ordered people expect to receive FAULDING'S MILK EMULSION. We hereby give notice that no other persons can use the same name on their labels, wrappers or advertisements without infringing our legal rights.

"Milk Emulsion" is sold in Bottles only, Wholesale, by—

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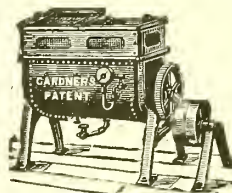
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Almost Every Trade where
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 one operation and without
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From 55/- to £90.

CATALOGUES FREE.



WM. GARDNER & SONS, Engineers, GLOUCESTER.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Acetanilide, B.P., 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.; 1 lb. @ 1/3 lb.	Morpbinae Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 7/11 oz.; 16 oz. @ 8/1 oz.; 8 oz. @ 8/2 oz.; 1 oz. @ 8/6 oz.; Pur. Præcip., Bimeconate or Tart., 1 oz @ 11/- oz.	Scammony Resin Pulv. B.P., 7 lbs. @ 4/0 lb.; 1 lb. @ 4/5 lb.
*Acet. Ipecac. B.P., 7 lbs. @ 1/3 lb.	Naphthaline, Candles or Balls, 1 cwt. @ 12/- cwt.; 56 lbs. @ 14/- cwt.; 28 lbs. @ 15/6 cwt.	Shellac (Orange), 1½ cwt. @ 72/- cwt.; 7 lbs. @ 10d. lb.
*Acet. Scilla, B.P., 7 lbs. @ 3d. lb.	Ol. Ment. Pip. English, 5 lbs. @ 27/- lb.; 1 lb. @ 29/- lb.; Hotchkiss original bottle, 21 oz. each @ 11/4 lb.; 6 bots. @ 11/1 lb.; 18 bots. @ 10/10 lb.; American, 20 lbs. @ 8/6 lb.; 4½ lbs. @ 8/9 lb.; 1 lb. @ 9/- lb.; Japanese, 60 lbs. @ 5/9 lb.; 5 lbs. @ 6/3 lb.	Soda Caustica, 28-lb. tin @ 8½d. lb.; 6 1-lb. Bots. @ 10d. lb.
*Acetone, 6 lbs. @ 1/2 lb.; 1 lb. @ 1/4 lb.	Ol. Morrhuæ, Nov. 1909, finest non-freezing, 25 gall. tin-lined barrels @ 95/- per barrel; 2 gall. tins @ 8/6 each.	Soda Cit., B.P., 3 lbs. @ 1/10 lb.
*Acid Acet. Glacial, 99%, Carboys 144 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 6½d. lb.; 6 lbs. @ 8d. lb.	Ol. Myrbane, 1 cwt. @ 48/- cwt.; 9 lbs. @ 6½d. lb.	Soda Salicyl. Pulv., 7 lbs. @ 1/5 lb.; phys. pur. 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
Acid Acetylo-Salicyl., 56 lbs. @ 1 lb.; 7 lbs. @ 2/4 lb.; 1 lb. @ 2/6 lb.	Ol. Myristica, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	Soda Sulphite Recryst., 1 cwt. @ 16/6 cwt.; 7 lbs. @ 4d. lb.
"Benz. B.P., 7 lbs. @ 1/8 lb.; 1 lb. @ 2/- lb.	Ol. Nucis, Pallid, 45 galls. @ 3/8 gall.; 2 gall. tins @ 4/6 gall.	Soda Sulphocarbolas B.P., 7 lbs. @ 10½d. lb.; 1 lb. @ 1/1 lb.
"Boric Pulv., 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.; leviged 3/- cwt. extra.	Ol. Olivæ P.B., good yellow, 45 gall. Barrel @ 4/3 gall.; 2 galls. @ 5/3 gall.	Sodii Bromid, P.B., 1 cwt. @ 1/0½ lb.; 7 lbs. @ 1/2 lb.
"Carbol Xtls, 39/40; 56 lbs. @ 5d. lb.; 10-lb. Tins @ 5/- each; Detached Cryst., 8/- each; 36 1-lb. Bots. @ 8½d. lb. Single Bots. 11d. lb.; Detached Cryst., 1 lb. @ 1/1 lb.; Crude Black, 45 Gall. Casks @ 10d. Gall.; 1 Gall. Tins @ 1/5 each.	Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	Soda Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.
"Dietylbarbituric, 16 oz. @ 34/- lb.; 1 oz. @ 2/6 oz.	Ol. Peach Kernel (so-called), 1 cwt. @ 10d. lb.; 56 lbs. @ 10½d. lb.; 9 lbs. @ 1/- lb.	*Spt. Aether Nit. P.B., 4½ lbs. @ 3/6 lb. 1 lb. @ 3/9 lb.
"Gallic pur. P.B., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.	Ol. Pulegii, B.P., 5 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.	*Sp. Ammon. Aromat. P.B., 5 lbs. @ 2/8½ lb.
"Hydrobrom., dil. B.P., 6 lbs. @ 6d. lb.	Ol. Ricini Alb. Opt. Medicinal, 176 lbs. @ 38/6 cwt.; 88 lb. @ 41/- cwt.; 44 lbs. @ 42/6 cwt.; 9 lbs. @ 6d. lb.; for export, 1 cwt. drums recommended, 7/6 each extra or 3½ cwt. barrels @ 34/6 cwt.	*Spt. Chloroformi, P.B., 5 lbs. @ 3/7 lb.
"Hydrochlor. Coml., cases of 4 2-gal. jars, 17/- each; 20 case lots @ 16/- each.		Strontia Bromid., 1 cwt. @ 1/2½ lb.; 7 lbs. @ 1/4½ lb.; 1 lb. @ 1/6 lb.
"Hydrocyan. P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 1-oz. Vials @ 3/6 doz.		Strychnina cryst. B.P., 25 ozs. @ 2/- oz.; 1 oz. @ 2/3 oz.; Hydrochlor. and Sulphate, 2d. oz. less.
"Oxalic Cryst., 5 cwt. @ 3½d. lb.; 1 cwt. @ 3½d. lb.; 14 lbs. @ 3½d. lb.		Sugar of Milk, B.P., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.
"Phosph. Dil., B.P., 8 lbs. @ 4½d. lb.		Sulphonal P.B., 1 lb. @ 9/6 lb.
"Salicyl. pulv., 7 lbs. @ 1/1 lb.; phys. pure, 1 lb. @ 3/- lb.		*Syr. Aurant. P.B., 7 lbs. @ 9d. lb.

SPECIAL NOTICE

Several of our Regular Manufacturers have approached us offering Special Terms. So we have decided, as a trial only, to give our Regular Clients the advantage in cases where they are in a position to purchase at least £5 worth of any single article at one time of any of the articles to which this refers.

All Special Quotations being carefully registered, due note will be taken of cases where business does not result, as we are well aware that in many cases our prices are used with a view to cutting down our Competitors, and this is a proceeding we do not approve.

Acid Sulphur, Coml., cases, 4 2-gal. jars, 17/- each; 20 cases @ 16/- each.	Oxymel Scilla, B.P., 5 cwt. @ 31/- cwt.; 1 cwt. @ 34/- cwt.; *7 lbs. @ 6d. lb.	*Syr. Pruni Virg. B.P., 8 lbs. @ 7d. lb.
"Sulph. Aromat., B.P., 5 lbs. @ 3/8 lb.	Papain 1-80, 1 lb. @ 21/- lb.; 1 oz. @ 1/7 oz.	"Rhamni, 7 lbs. @ 10d. lb.
"Tannic, B.P., 7 lbs. @ 2/2 lb.	Paraffinum Durum B.P., 2 cwt. @ 3½d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 4d. lb.; 7 lbs. @ 5d. lb.; Mollie Flav. B.P., 3½ cwt. @ 16/6 cwt.; 1 cwt. @ 25/- cwt.; 28 lbs. @ 3½d. lb.; 7 lbs. @ 4d. lb.; Alb. B.P., 3½ cwt. @ 55/- cwt.; 28 lbs. @ 7d. lb.	"Rhei P.B., 7 lbs. @ 7½d. lb.
"Tart. cryst. or pulv., B.P., 1885, 1 cwt. @ 9½d. lb.; 7 lbs. @ 10½d. lb.; parv. ½d. lb. extra.	Paraldehyde, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.	"Scilla P.B., 7 lbs. @ 4½d. lb.
Adeps Lanae B.P., Anhydrous, 2 cwt. @ 52/6 cwt.	Pepsin, B.P., 10 lbs. @ 8/10 lb.; 1 lb. @ 9/6 lb.	"Sennæ P.B., 7 lbs. @ 8d. lb.
Hydrous @ 49/- cwt.; 1 cwt. @ 2/- cwt., 28 lbs. @ 5/- cwt., 14 lbs. @ 8/- cwt., 7 lbs. @ 12/- cwt. extra.	Phenacetin, P.B., pulv., 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.	"Tolut. P.B., 7 lbs. @ 7d. lb.
Aloes Barb., English ground, 28 lbs. @ 66/- cwt.; 7 lbs. @ 8d. lb.	Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.	Thymol, 7 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Aloes, Socot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/5 lb.	Phosphatbalein, 7 lbs. @ 8/6; 1 lb. @ 9/- lb.	*Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; Bond, 8½d.
Ærugo Æris Pulv., 14 lbs. @ 11d. lb.	Pix. Burgund. Druggists' 1½ cwt. @ 22/6 cwt.; 7 lbs. @ 4d. lb.	*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; Bond, 6½d.
Aloin, B.P., 1 lb. @ 3/9 lb.	Plumbi Acetas, Druggists', 1 cwt. @ 32/6 cwt.; 7 lbs. @ 4½d. lb.; Powder, 1d. lb. extra.	*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/5 lb.; Bond, 8½d.
Ammon. Benz., 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.	Podophylli Resina, P.B., 1 lb. @ 11/- lb.	*Tinct. Camph. Comp., P.B., 5 lbs. @ 2/5 lb.; Bond, 6½d.
Ammon. Brom., P.B., 1 cwt. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.	Potassa Caustica Sticks, P.B., 28 lbs. @ 10d. lb.; 6 1-lb. Bots. @ 11d. lb.	*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; Bond, 6d. lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 1/10 lb.; ½ oz., 7 lbs. @ 1/11 lb.; ¼ oz., 7 lbs. @ 2/3½ lb. Crude, good white about 92% as imported, 140 lbs. @ 1/4 lb.; 10 lbs. @ 1/5 lb.	Potas. Acetas, Gran. P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.	*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb.
*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 1/6 lb.; Bergamot, 2/6 lb.	Potas. Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @ 4d. lb.	*Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.; bond, 6½d. lb.
*Ess. Pineapple, 5 lbs. @ 3/4 lb.	Potas. Brom. P.B., 1 cwt. @ 11d. lb.; 28 lbs. @ 11½d. lb.; 7 lbs. @ 1/- lb.	*Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.
*"Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb.	Potas. Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @ 5d. lb.	*Tinct. Chlorof. c. Morph. Comp., B.P., 1885, 5 lbs. @ 1/11 lb.; bond, 1/5½ lb.
*"Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.	Potass. Cyanidum 98%, 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.	*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/4 lb.; bond, 10½d. lb.
*Ext. Belladonnæ Liq. B.P., 5 lbs. @ 4/3 lb.; 1 lb. @ 4/8 lb.; solid, 7 lbs. @ 2/7 lb.	Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.	*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.
"Hyoscyam., Solid, B.P., 3 lbs. @ 4/11 lb.; 1 lb. @ 5/3 lb.		*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.
*Liq. Hamamelidis P.B., 6 lbs. @ 1/- lb.		Ung. Acid. Boric. P.B., 28 lbs. @ 6d. lb.; Flav. 28 lbs. @ 4½d. lb.

*Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.

Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Office: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

GOLD MEDAL, PARIS, 1900.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET. E.C.

SATURDAY, APRIL 16, 1910.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

A true saying will bear repetition. We repeat that it pays to pay for advertising in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—NEW CROSS.—Retail, Prescribing, Dispensing, and Photographic; all good middle-class trading; returns, present rate, about £10; single-fronted shop; main road; roomy house; garden; rent £70; long lease; price £850.

2.—FULHAM.—Established Business; Retail, Prescribing, and Photographic; returns exceed £60 per annum; profit (net) £220; full investigation invited; price £425.

3.—LONDON, S.E. (good-class suburb).—Modern Pharmacy; excellent position; returns £1,200, which produce a net income of £300; attractive shop, double fronted; rent moderate; on lease; price £900.

4.—GREAT NORTHERN MAIN LINE (few miles out).—Good-class Business; Retail and Dispensing; returns over £1,900 per annum; well-appointed shop; main thoroughfare; vendor's own property; new lease will be granted; price £1,200.

5.—SOUTH KENSINGTON.—General Retail and Dispensing Business; chiefly ready money; returns about £1,100 per annum; net profit £350; lock-up shop, handsomely fitted; further details on application.

6.—LONDON, S.E.—Good-class Business; situate in close proximity to busy railway station; returns between £950 and £1,000 per annum; gross profit £375; large double-fronted shop, handsomely fitted; excellent residence; 21 years' lease; price £750.

7.—GREAT WESTERN MAIN LINE.—Ready-money Business; returns, present rate, between £700 and £750 per annum; the shop is double front and is beautifully fitted in mahogany; modern bathroom, bath, h. and c.; price £430.

8.—KENT COAST.—Illness cause of sale; old-established Business; Retail and Dispensing; held by vendor 30 years; gross receipts exceed £1,000 per annum; net profit £300; rent £32; price £600.

9.—YORKS.—Ready-money Business; no immediate opposition; established 10 years; returns £500; net income £150; comfortable residence; rent £40; price £350.

10.—SUFFOLK (small country town).—Mixed Business; very old established; returns average £887 per annum; several Proprietaries are included; good house, with every convenience, garden; terms, valuation of stock and fixtures.

11.—SUSSEX (health resort).—Retail and Dispensing Business; established 1886; returns about £870; profit above the average; house has eight rooms; rent £65; sub-let £45; price £550.

12.—WESTERN COUNTY (health resort).—Light Retail, Prescribing, Dispensing, and Photographic trade; established 120 years; returns average about £600 yearly; price £300, or valuation of stock and fixtures.

13.—KENT (health resort).—Old-established Business; Retail and Prescribing; returns about £500 per annum; excellent opening for a young man with small capital; price £100.

14.—CHESHIRE.—Good-class Dispensing and Retail Business; 3,600 Prescriptions yearly; return last year £657; gross profit £300; rent £22; lease has 12 years to run; price £450.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the Labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 160 Y.

F. J. BRETT, M.P.S., gives personal attention to all VALUATIONS. An experience of over thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

SUFFOLK.—Good-class Country Business; well-fitted shop, with fine house attached; returns £900; price £800 or £100 and valuation; situated in nice healthy locality.

BRISTOL (easy distance).—Light Retail, Dispensing, etc.; returns average £560; very old established; good house and shop; no Patents; price, stock and fixtures at valuation, about £300; part can remain.

LIVERPOOL.—Good-class Light Retail and Dispensing; returns over £1,000 at good net profits; good house; price £1,000.

BIRMINGHAM (Near).—Nice Light Retail and Photo; returns £500, at fair profits; good shop and nicely fitted; easy rent; price £350; £20 per week can easily be done by an energetic man.

NOTTS.—Herbal and Drug Business for Disposal; no Patents; medium-sized shop; returns £6 week; valuation about £120.

YORKS.—Light Cash Retail in suburb of large manufacturing town; double-fronted shop; returns £600; price £350.

NORTHUMBERLAND.—Light Family Retail; returns £300; net profit £140; price £200; good house and fine lofty, commanding corner shop; any amount of scope for increase to an energetic man; now under an unqualified manager.

STAFFS.—Medium-class Light Retail; good, well-fitted, lofty shop; very old established; returns £1,100, profitable; good sale of own Preparations; price, valuation of stock and fixtures, about £900.

Pharmacists, both London and provincial, who are thinking of having their stocks carefully taken, are earnestly requested to write us for our exceedingly low-cut quotations for this very important work. We guarantee high-class detail work at most moderate prices, and you cannot do without us. Correspondence cordially welcomed.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & Co. Telephone: MESSRS. MEGGESON & Co. No. 27 Victoria MESSRS. BARCLAY & SON, LTD.

1N centre of main street, rapidly increasing suburb, 10 miles from London; a well-fitted, double-fronted, fully stocked Pharmacy; opened 1855; 5 years; constantly increasing; 8 rooms and garden; rent £30; returns over £700; price £480, or offer.

LONDON, W.—Nicely fitted and stocked Pharmacy (owner doing himself to dentistry) will be sold for less than value of stock and fittings, say £250; good Prescribing and Retail; in excellent thoroughfare; returns about £600, and rent of good house only £10.

SOUTH LONDON.—A very profitable joint Chemist and Dentist Business in good double-fronted shop in good thoroughfare; returns continually increasing under qualified manager for each branch; returns about £1,500; rent £75; net profit £500, and price £1,000; proprietor need not give personal attention.

A VERY old-established good Family and Dispensing Business in Midland tourist district (same hands 50 years); returns average £2,000, and annual net profit nearly £500; nice shop (corner) of good house on lease; £70; centre of pleasant country town; full investigation and introduction by vendor; price, one year's stock profits and valuation of stock or fixtures.

FREDK. WM. SMITH

Licensed Chemists' Valuer.

Businesses for disposal, Valuations for transfer, Probate, &c. Stocks and fixtures purchased to any amount for cash. Stocktakings undertaken, personally conducted.

3 Belgrave Terrace, LEEDS. Telephone 296

TOM TOM

Telegraphic Address.

THOS. TOMLINSON & SON,
Chemists' Valuers and Expert Stocktakers,
Businesses transferred privately.
29 NEW CANNON STREET, MANCHESTER.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

- 1.—LANCS. COAST.—High-class Retail and Dispensing Business; full prices obtained; easily worked; returns about £1,000; net profit £400; splendid position; scope for increase; price £1,000.
- 2.—SOUTH COAST.—Family Retail and Dispensing; returns £750 to £800; good position; rent £60; valuation only required, about £450.
- 3.—BERKSHIRE.—Light Retail, Dispensing, and Photographic; returns £850; good profits; large house; price £525 or valuation.
- 4.—CHESHIRE.—High-class Dispensing and Retail; returns £660, increasing; net profit £230; good house; price £450.
- 5.—WORCS.—Light Country Retail; neglected through illness; returns £250, was doing £500; low rent; good house; price £175, or valuation.
- 6.—LONDON SUBURB.—Good-class Retail and Dispensing; returns £1,250; modern shop; fine position; well stocked; price £750.
- 7.—SURREY (Suburb).—Good-class Business; returns over £550, can do £1,000; attractive shop; main-road position; price £400; personally inspected.
- 8.—NORTH OF ENGLAND.—Photographic Chemist's Business; returning £4,000; net profit £600; handsome shop; in best position; heavily stocked; owner retiring; price £1,600.
- 9.—SUFFOLK (Market Town).—Good-class Business; returns £900; plenty of scope; excellent house; large shop; in good position; price £800 or £100 and valuation.
- 10.—MIDDLESEX.—Unopposed good-class Retail; returns £600; net profit £250; modern premises; price £725.
- 11.—HANTS (Market Town).—Light Family Retail; returns £500; good profits; low rent; heavily stocked; price £360.
- 12.—GLOUCS.—Old established Business; returns £450 net; price £220; excellent premises; price £200, under valuation.
- 13.—WEST LONDON.—Good-class Retail and Dispensing; in good position; returns about £1,000; attractive shop; good house; price £750, or £50 and valuation.
- 14.—LONDON, N.—Genuine Cash Retail and Prescribing; returns £650 to £700; net profit over £250; price for quick sale, £275; requires seeing.

STOCKTAKINGS. SPECIAL NOTICE.

Below are some reasons why you should have a yearly Stocktaking:

1. You know the exact profit made, which is so important in arriving at the value of a business.
2. You know whether you are overstocked and where you can reduce.
3. You know if you are fully insured against Fire and with our book you can make an indisputable case.
4. In the event of your wishing to sell, you know the exact value of your business, which would save disappointment to either vendor or purchaser.
5. In the case of branch shops it is an absolute necessity, if they are to be carried on with success.

MESSRS. BERDOE & FISH invite Chemists to write for their new and special tables for Stocktaking, which have been Revised and include a Scheme whereby no more need go without this necessary and all important work being done.

40 YEARS' PRACTICAL EXPERIENCE.

See page 132 "C. & D. Diary," 1910.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

COLONIAL BUSINESSES.

Call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

BURLEY.—In populous neighbourhood; small Wholesale and Retail Business; established 12 years; fixtures and stock in splendid condition; rent of shop and house only 10s. per week; exceptional opportunity for energetic man; must sell to close estate. Apply, Herbert Foden, Accountant, Burley.

EAST ANGLIA.—Good middle-class Business in small market town, with valuable appointments, for immediate Disposal owing to illness of proprietor; good profits; splendid house, nice garden; attractive locality; opening for Dentistry; cash buyers would about £800 would find this a desirable investment, which only needs to be seen. 277/23, Office of this Paper.

EASTERN COUNTIES.—Good-class Dispensing, Light, Retail, and Photographic Business (single handed); returns about £1,000; healthy locality; convenient house; main road; terms small goodwill and valuation; 9 years of lease unexpired; a part of purchase-money could remain if necessary. Apply, "A. A." (280/5), Office of this Paper.

EASTERN COUNTIES.—New and rapidly increasing Business; Light Retail, Prescribing, and own Specialties; good prospects; ample scope for development; turnover £1,100; net profit £300; price £750; prettily fitted and excellent stock; the vendor will allow investigation, but will not answer any letters not containing the requisite references. 277/19, Office of this Paper.

LONDON, W.—Cash Retail and Prescribing Business; returns £560 last year; net profit £150; rent £55; part of house could be easily let off at 10s. per week; shop nicely fitted and well stocked; situated in busy thoroughfare; great scope for increase; reasons for disposal, owner has other business to attend to; cash price £275. 280/36, Office of this Paper.

MANCHESTER.—In good thoroughfare; Drug Stores; well stocked; good fixtures; house attached; rent £30; stock and fixtures £100; must sell; no reasonable offer refused. 274/34, Office of this Paper.

MANCHESTER.—Well-established Business (60 years), with Dental practice optional; private house and side door; shop main street; for immediate sale; inquiries at once. 277/34, Office of this Paper.

MIDLANDS.—Sound Dispensing, Prescribing, and Light Retail Business; returns between £500 and £600, which can easily be considerably increased by an up-to-date man; will bear strict investigation; good house; moderate rent; ill-health sole cause of disposal. For further particulars apply, "Pharmacist" (280/2), Office of this Paper.

NEWCASTLE.—Old-established Business, with full Wine Licence, for Sale; good house with separate entrance; returns £600 under unequalled; customers average 520 weekly; rent £32, rates £8; let off £19; no side-lines whatever; price £410, or valuation; owner occupied elsewhere. Apply, 277/1, Office of this Paper.

S.W. ENGLAND.—Country Drug Stores, with Dental Practice, Optics, Prescribing, own Specialties; returns £432; exceptionally profitable; qualification not essential; splendid opportunity for one with some experience of dentistry; good house, with garden and greenhouses; rent £25; cash required £250. 279/10, Office of this Paper.

All get value
for their money.

LONDON, S.E.—In consequence of ill-health, an exceptionally good Business; handsome Pharmacy, well stocked; Dispensing, and very profitable Proprietaries; in a very busy and populous locality; recognised best business in district; net profit over £500; rent £70; price £850; lease 15 years unexpired; late owner, deceased, realised a small competency in five years; no agents. John Guy Loughton House, Chester.

LONDON, N.—Small Business for Disposal; has been under unqualified management and much neglected, but offers plenty of scope to anyone with a little capital willing to work; rent £56; residential accommodation, which has let for £40; moderate cash deposit and small balance by instalments. Address to view, "Metals" (277/14), Office of this Paper.

LONDON, S.W.—Light Retail and Dispensing Business for Sale; long lease; low rent; returns £450, could be easily increased; price accepted for quick sale. 277/17, Office of this Paper.

LONDON, N.—Well-established Retail and Dispensing; situated in good position in shopping centre; many years in present hands; average returns, 1910 showing increase first three months; good reason for wishing to sell; price £300; will accept reasonable offer from immediate cash purchaser. Apply, "S. P." (276/21), Office of this Paper.

LONDON, N.E.—Chemist's and Dentist's Business; middle class; established by the present proprietor 34 years ago, who now wishes to retire; good premises; low rent. "Lex" (280/18), Office of this Paper.

LONDON, E.—Very profitable working-class Retail and Prescribing Business, with turnover of £400 per annum; steady trading; profits many years; low rent; net profit £164; owner retired; price £35. 271/27, Office of this Paper.

LONDON, N.—Chemist's Business for Disposal; returns increasing; in good position; no near opposition; opening for Teeth Extraction and Photography. Apply, "Anthracine" (280/32), Office of this Paper.

LONDON, N.—Advertiser, wanting capital for other business, wishes to Dispose of good medium-class Dispensing and Retail Business; accept less than value of stock and fixtures for immediate sale (about £300); good lease; nice house. Full particulars from J. H. 29 Grange Road, Highbury, N.

SOUTH WALES.—A Branch Business for Sale, doing under management £500 per annum; good house; unopposed position; large working-class town; all ready money; part payment could remain. Apply, 274/28, Office of this Paper.

SOUTHPORT.—Light Retail Business for Sale, through ill-health; in good-class neighbourhood; good fixtures; rent £28; lease about 8 years to run; price, valuation of stock and fixtures. Address, "T. D. O." (278/2), Office of this Paper.

SUSSEX COAST.—Good-class Light Retail, Dispensing, and Photographic Business; returns over £1,100; well fitted and stocked; best position; good house. Apply, 279/15, Office of this Paper.

WALES.—Old-established Prescribing Business for Sale; well fitted and stocked; good house and garden; main street; has only changed hands three times in last 70 years; rent on lease £60; returns £890; net profit £320; price £800 (cash); replies to please give banker's reference. 265/19, Office of this Paper.

WEST OF ENGLAND.—Old-established Light Retail, Dispensing, and Photographic Business in large town; good position in busy thoroughfare; well-fitted shop; complete stock; 6-roomed house (could be let off); returns £820, increasing; books available to bona-fide inquirers; lengthy introduction offered; price £500. 278/1, Office of this Paper.

A N old-established Dispensing (Homœopathic) Business in the West of England; returns £780 to £790; price £450. Apply, "Arnica" (275/10), Office of this Paper.

DRUG-STORES (Worcestershire).—Unopposed; nice clean, healthy village, close to town; population 4,000, and increasing; returns last year nearly £400; profit 40 per cent.; under lady's management; good-class trade; rare opportunity for beginner, qualified or unqualified; satisfactory reasons for selling; rent 3s. 6d. weekly, clear; fixtures, fittings, etc., £50; clean, new stock at valuation, about £50, reduced if desired. 278/15, Office of this Paper.

INLAND HEALTH RESORT.—Old-established Light Retail and Dispensing Business; returns £500; net profit £200; ample scope for increase; stock and fixtures worth £500; owing to illness vendor will accept for quick sale £375, or valuation. "B." (276/28), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

LARGE corner Shop and premises in main road, adjoining City: more the boldest position in road; old established; takings could be more than doubled under qualified man; no opposition; rent £70; part let off; price £450; this only wants seeing; cash buyers only; no agents. "Unique" (276/33), Office of this Paper.

OLD-ESTABLISHED Country Business for Sale through death of proprietor; Chemistry, Grocery, Gilbey's Agency; a good opportunity for Dentistry and Photography; rent moderate. Apply, 276/35, Office of this Paper.

SITUATE in close proximity to railway station; good middle-class Business; chiefly ready money; returns about £700; net profit 25 per cent.; about 12 miles from London; full investigation invited. "Gilbert" (280/3), Office of this Paper.

£57 cash or close offer; cost £220; Chemist's Light Cash Retail; well stocked and fitted mahogany; as a going concern or to remove; opening for Dentistry, Optics, Photo Goods, and Minerals; having accepted appointment, Business must be sold or closed before April 25; this advertisement will not appear again. "Chemist," care of 12 Albion Road, Stoke Newington, N.

BUSINESSES WANTED.

A. H. EVANS, Chemist, late of Dorchester, desires to communicate with gentleman wishing to Dispose of Business privately; prepared to invest substantial sum in sound concern; state returns, net profit, and price; preferably South. Particulars, in confidence, "Warley," Dorchester.

ADVERTISER wishes to negotiate with a gentleman open to Dispose of a good-class Business privately; returns between £1,000 and £2,000. In confidence, "O. B. C." (279/16), Office of this Paper.

ADVERTISER, with £1,000 capital and first-class experience, seeks investment in a high-class Dispensing business, the proprietor of which contemplates gradual retirement; strict confidence accorded. "Pharmakos" (281/2), Office of this Paper.

BUSINESS wanted, good class, in Western district of London; returns from £1,000 to £2,000; must bear strictest investigation. Full information (in confidence) to "Teeangee" (276/27), Office of this Paper.

BUSINESS, with upwards of £1,200 returns, and at least £350 net profit required; cash transaction; solicitors' and other references given. 277/22, Office of this Paper.

CHEMIST with S.M.C. qualification, Store, Dispensing, and Agricultural experience, capital £500 and £500 later, would entertain either Partnership with or without eventual entire proprietorship; a £900 Business if previously engaged in same or a £500 Business outright; town or country. Full particulars, in confidence, "Chemist," 10 Pleydell Avenue, Hammersmith, W.

MESSRS. BERDOE & FISH desire to inform intending vendors that they have a number of cash buyers still unsuited and desirous of purchasing Businesses returning from £800 to £2,000; strictest confidence can be relied upon and a speedy transfer assured. Address, 35 Jewry Street, Fenchurch Street, E.C.

WANTED, by qualified Chemist, genuine Business, doing a good turnover (£2,000 minimum); some local Wholesale or Drysaltery not objected to; country town preferred; prompt settlement for suitable concern. Particulars, in confidence, to "Statim," Goodall, Backhouse & Co., Wholesale Chemists, Leeds.

TENDERS.

SOUTH SHIELDS UNION.

TENDERS FOR DRUGS AND SURGICAL APPLIANCES, etc.

THE Guardians invite TENDERS for the supply of the following at the Workhouse Hospital during the period ending October 3 next, viz.:

- (1) Drugs, Chemicals, and Mixtures.
- (2) Surgical Dressings and Appliances.

One sample of the different kinds of Dressings to be sent with the tender.

Tender forms may be had from the undersigned, on receipt of a stamped addressed foolscap envelope, and sealed tenders, endorsed "Tender for" should be delivered here by Tuesday, April 13.

By order,

J. W. COULSON,

Clerk to the Guardians.

Union Offices, South Shields, April 12, 1910.

SALES BY AUCTION.

UNDER DISTRESS FOR RENT.

THE CELROX TONIC WINE CO., LTD., 145 FARRINGTON ROAD, E.C.

MR. FREDK. SLADDEN, F.A.I., will SELL by AUCTION the above premises, on WEDNESDAY, April 20th, at 1 o'clock precisely, the STOCK and UTENSILS-IN-TRADE of the Company, comprising 530 dozen pint and a-half bottles of Cellar Tonic Wine; a punchoon, two pipes, and a barrel part full Taragona Medicated and Spirits of Wine; Capsuling and corking Machines, Scantlings, Trollers, and other effects; also SUPERIOR OFFICE FURNITURE, comprising 6-ft. Mahogany Writing-table, and five others; a Williams' No. 6 Typewriter, in Safe, 3 ft. 6 in. by 2 ft. 3 in.; Mahogany Revolving and number other Chairs, Lino, etc., etc.

On view day prior. Catalogues may be obtained at Auctioneer's Offices, 44 Royal Crescent, Holland Park Avenue.

IMPORTANT SALE OF SALVAGE STOCK of Wholesale Druggists. Sundries recovered from the recent fire at Messrs. Bares & Sons, Farrington Street, E.C., the whole but slightly damaged.

TO WHOLESALE CHEMISTS, OIL AND COLOURMEN, GENERAL DEALERS, AND OTHERS.

TOPPLIS & HARDING will SELL by AUCTION, at 73 Southwark Street, S.E., on TUESDAY, April 26, and following day, one o'clock punctually, on account of the Fire Insurance Companies, the SALVAGE STOCK of Wholesale Druggists' Sundries, comprising Eau-de-Cologne and other Perfumes, Soaps of kinds, Extracts of Meat, Winearnis and other Wines, Emulsive Embrocations, Secotine, Plasters, Harlene, Tatcho, Vaseline, Ointment-powders, Malted Milk, Fruit Salts, Saline, Inks, Horse Cattle Medicines Boot-polishes, and numerous miscellaneous proprietary Articles, now lying at 73 SOUTHWARK STREET, S where they may be viewed on the Saturday and day preceding and Catalogues had on the premises and of the Auctioneer 66 Cannon Street, E.C.

FOR SALE.

FOR Disposal, 60 £55 per cent. Preference shares in Hirst, Brod & Hirst, Ltd., Leeds: either the whole or £100 or £200 lots. O to "N. E. P." 34 Woodlands Road, Lytham, Lancs.

FOR Sale, Chemist's good Mahogany Fittings, Wall and Counter Cases, bent and upright, Window Enclosures, shaped glass shelves, Nests Drawers, Shop-rounds, Poison-squares, Cement-jars, Scales, Dispensing and Serving Counters, small Drugs, Chemicals, Galenicals, few Patents, Sundries, etc. The Webster, Chemist, Bangor, N. Wales.

THE complete Fittings, Cases, and Counters of a Branch Pharmacy, new condition, including York Glass Recess Label Boxes and Jars. Full particulars on application, inclusive price, free rail, Blamey, Pharmacist, Falmouth.

TO LET.

BOWMORE, ISLAY.—An excellent opening for a qualified Chemist about 8,000 inhabitants and no Chemist's shop in the island; good shop and dwelling-house, with all conveniences, at moderate rental. Apply to Mr. J. Bryce, M.A., Schoolmaster, Bowmore, I Secretary to Local Committee.

HIGH BARNET (centre of High Street).—Fine Shop, lately built, to Let or for Sale; extensive showrooms; most suitable for Cash Drug-stores; rent £150, including house. Apply to E. Department, Hudson Brothers, 50 Ludgate Hill, London, E.C. Local Branch, 60 High Street, High Barnet.

NEW SOUTHGATE.—Shop and Dwelling-house to Let, on a good opening for Chemist and Photographer; nearest Chiswick about a quarter of a mile; trams pass door; large rooms and convenient; light and large basement; back entrance. Apply, Ivatt, 50 Parkhurst Road, New Southgate, N.

CHEMIST'S Shop at Chiswick to be Let; just vacated; do fronted shop and good house; rent only £3 per month; keep 140 Devonshire Road, High Road, Chiswick (near Park House). Agents, Holmes, 6 Mortimer Street, W.

PREMISES FOR SALE.

£750 for four shops; net rentals £89; exceptional investment; old-established Chemist, with possession; no opposition; adjoining shop could be used for a Dentist. To treat apply to J. R. Howarth, Auctioneer, 21 Penton Place, London, W.C.

AGENCIES.

NORTH BRITAIN AND IRELAND.—Smart Representative wanted. Must have good connection with Doctors, to introduce important Apparatus (small) for clinical diagnosis; good selling and good commission guaranteed; district agencies arranged. 235, Office of this Paper.

PARIS Agent, with an extensive connection amongst the best firms, seeks the co-operation of a good Export house; will be in London about end April. "L. V.," Box 969, Vernon's Advertising Agency, 116 Newgate Street, London.

AGENT who can get orders from Chemists, etc., for Artificial Teeth Dentures can be well treated on a commission basis. Apply, 274/38, Office of this Paper.

REPRESENTATION.—Two really live Salesmen, with unique connection, England and Wales, are open to undertake introduction of really first-class Proprietary Articles that will be in constant demand; an exceptional opportunity for firms wishing to place goods with best buyers; commission only; no other terms considered. 273/22, Office of this Paper.

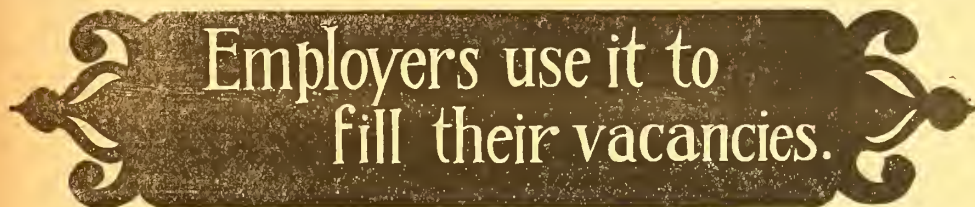
APPRENTICESHIPS.

A VACANCY occurs in high-class Pharmacy, Northern London suburb, for gentlemanly, well-educated Apprentice; one having passed Preliminary preferred; outdoors, but dinner and tea provided if desired; thorough training for Minor given by silver medallist; excellent opportunity for youth with ambition and energy; time arranged for studies; moderate premium. "Medallist" (278/36), Office of this Paper.

TWO Surgical-instrument Makers.—Wanted to Apprentice a youth of 17; moderate premium entertained. "Chemist's Manager," 186 Lavender Hill.

PARTNERSHIPS.

SMART, industrious young Chemist, with about £1,000 capital, would find an opportunity to enter a well-established and readily growing London Wholesale business in Proprietary preparations and articles, mostly own Patents and Trade-marks. Apply, with full particulars, to 275/53, Office of this Paper.



SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

RETAIL.

BIGNOR.—Wanted, a qualified Assistant; age about 23 to 25; must be well up in Dispensing, Photography, and Counter work. Salary (outdoors), experience, height, and full particulars, Miller, Chemist, Bognor, Sussex.

CANTERBURY.—Smart Junior (outdoors). Usual particulars to Walker & Harris, Sun Street, Canterbury.

CAPTOWN.—Qualified Assistant wanted, immediately, for suburban Dispensing business; age about 23; must be capable, reliable, energetic, temperate; salary £15 per month; room found; good prospects; 3 years' engagement; second-class passage paid out. Apply with particulars of previous experience and references, to "Captown," c/o Southall Bros. & Barelay, Ltd., Birmingham.

CEYLON.—Qualified Assistant wanted for Ceylon; age 23-25; single; good Salesman, pleasant address; Optics an advantage; year agreement. Apply, by letter, giving full particulars, to "Ceylon," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.4.

CHALG.—Smart unqualified Assistant, after 6 P.M., to assist at Sink and Counter. 138/3, Office of this Paper.

CHATHAM.—Wanted, at once, qualified Assistant; indoors; no night or Sunday duty. Apply, B. & J. Fillingham, Westgate, Chatham.

HASTINGS.—Wanted, about the end of April, a competent Junior Assistant; must be accustomed to a good-class Dispensing business; have good references. Apply, with usual particulars, to A. Souse, Pharmacist, 5 St. George's Road, Hastings.

HERNE BAY.—A gentlemanly Junior required; accustomed to a good-class business; Dispensing and Photography essential; indoor-dressing; abstainer preferred; must have good references. State age, height, salary required (in or out doors), photo, and full particulars, Bayley, Herne Bay.

HEMEL.—Wanted, Junior or Improver; outdoors; easy hours. Apply, with full particulars as to age, height, references, and enclosure photo, to Roberts, Chemist, Hemel Hempstead.

HAMLET OF MILE END OLD TOWN.

THE Guardians of the Poor of the Hamlet of Mile End Old Town are prepared to receive applications from persons desirous of being appointed to the following office:—

ASSISTANT DISPENSER.

Candidates must be fully-qualified Dispensers and will be required to attend at the Bancroft Road premises from 9.30 A.M. to 2 P.M. daily, and will be required to take full duty when the Dispenser is away. The salary payable will be 30s. per week. Full particulars may be obtained upon application to the Dispenser.

Applications must be made on forms to be obtained from me, and will be forwarded on receipt of a stamped directed foolscap envelope, and must be returned to me duly filled up not later than the first post on TUESDAY, the 19th April, 1910.

The appointments will be made subject to the consent of the Local Government Board and to the provisions of the Poor Law Officers' Superannuation Act, 1896.

Canvassing the Guardians is prohibited, and will be deemed a disqualification.

By Order,

BENJAMIN CATMUR,

Clerk to the Guardians.

Guardians' Offices, Bancroft Road, Mile End, E.,

April 7, 1910.

HORSHAM.—Wanted, competent unqualified Assistant (outdoors) as Second Hand; must have thorough knowledge of good-class Retail, Dispensing, and Photographics, and possess good references as to ability and character; half-day off weekly. Brasington, Horsham.

INDIA.—Qualified Assistant, unmarried (age 23-6), wanted, immediately; good Counterman and Dispenser essential; 3 years' agreement; second-class passage paid out. Apply, by letter, with references, Durant, Radford & Co., Ltd., 5/6 Billiter Avenue, E.C.4.

LEICESTER INFIRMARY.—Wanted, a Male Assistant Dispenser; not over 30; Minor qualification; salary £90. Apply, not later than April 18, with copies of three recent testimonials, to the House Governor and Secretary, Leicester Infirmary.

LONDON, S.W.—A qualified Assistant required; indoors; about 24; accustomed to first-class Dispensing. Apply, with photo, giving full particulars, to A. H. Brooks, Amore & Co., 173 Sloane Street, S.W.

LONDON, N.W.—A smart Junior Assistant wanted (indoors), with knowledge of Dispensing, Photography, and Window-dressing; time allowed for study. Apply, giving usual particulars and enclosure photo, to T. J. Evans, Ph.C., 9 Royal Parade, Golders Green, N.W.

SITUATIONS OPEN *(continued).*

LONDON, S.W.—Junior; accustomed to good-class Dispensing. Apply personally, or if by letter give full particulars and enclose photograph. W. A. Goodall, Pharmaceutical Chemist, 273 Fulham Road, S.W.

LONDON, W.—John F. Harrington, 15 Kensington High Street. W. requires a qualified Assistant (about 24), for April 30; outdoors. Apply, stating full particulars, also age, height, and salary required, and enclose photo.

LONDON, W.—Qualified Assistant (22-3), for West-End Dispensing business; outdoors; staff of 3. Apply, personally or by letter, enclosing photo and stating height, to E. G. Hogg, 1 Southwick Street, Hyde Park, W.

LONDON.—Assistant, qualified, experienced, to Manage Branch; must be sober, active, and obliging; outdoors. State age, salary, if married, and references, to "Myrah" (278/33), Office of this Paper.

LONDON, W.—Required, an efficient Junior, of good height, appearance, and address; must be accustomed to quick business and smart at Stock and Counter. W. V. Wright, 25 Broadway, Hammersmith.

LONDON, S.W.—Early in May, an Assistant who has been accustomed to good-class business; qualified preferred; indoors; two kept. Apply, personally if possible, to W. P. Robinson, Messrs. Deane & Co., 17 The Pavement, Clapham Common, S.W.

RESULTS	
OF ADVERTISING IN THIS SUPPLEMENT	
LAST WEEK Apr 9 1910	
NATURE OF ADVT.	REPLIES
ASSISTT	35
DRY COUNTER MAN	27
MANAGER	25
PORTER	24
UNQUAL ASSISTT	20
ASSISTT	19

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

LONDON, W.—Assistant, about 23 or 24 (indoors), for April 25. Having a good knowledge of Photography and a competent Dispenser; also a Junior, about 20 or 21 (indoors). State age, height, salary, and references, enclosing photo (to be returned), to H. Dixon, 1 Russell Gardens, Holland Road, Kensington, W.

LONDON, S.W.—Qualified Dispensing Assistant (outdoors), to sleep in. Apply, by letter, stating experience, salary, and when disengaged, to "A. J. B. C.," Messrs. Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, London, S.W.

LONDON, W.C.—Qualified Assistant wanted; age about 25; indoors; state salary required and references, also height; no Sunday work. Apply to Wm. Challice, Chemist, 34 Villiers Street, Strand, W.C. Wanted on May 5, 1910.

LONDON, W.—Part-time Assistant in good-class Dispensing and Family business. Full particulars to Mr. Turner, c/o Bruce's, Ltd., 18 The Avenue, West Ealing, W.

LONDON, W.—Wanted, an Assistant (indoors), accustomed to good-class Dispensing and Retail. If by letter, please state full particulars and enclose photo, Abcd & Co., 108 Queen's Road, Bayswater.

LONDON, S.W.—Wanted, a qualified Assistant for Dispensing; must be quick and accurate and accustomed to first-class business; indoors. Apply, "Manager," Bradley & Bourdas, 48 Belgrave Road.

LONDON, W.—Energetic, competent Manager for Dispensing. Family business, married, to live on premises. All particulars to Harding, Pharmacist, Ealing.

LONDON, N.W.—Unqualified Assistant wanted for high-class business; indoors; only one kept; age about 23-25; must be a reliable Dispenser and good Salesman. Apply, by letter, giving full particulars, salary required, and enclose photo, "Pharmacist," Messrs. Heaton, Equire & Francis, Ltd., 22-30 Graham Street, Road, N.

LONDON, N.—Junior Assistant required for modern Cash business; good Salesman, Window-dresser, and capable of being in charge; full day holiday per week. Please state full particulars as to previous experience, salary required (outdoors), when engaged, etc., 28C/37, Office of this Paper.

MADRAS, India.—Assistant wanted; young man well up in business; qualification not essential if he has had good Country and Dispensing experience; good health; Scotchman preferred 3 years' agreement to be signed; second-class passage paid; 150 rupees, 200 rupees, 250 rupees for first, second, and third respectively; free board and quarters. Apply, giving particulars of experience, to "G. W." (276/1), Office of this Paper.

MAIDSTONE.—Junior Assistant wanted for good-class Dispensing and Agricultural business; 3 kept; indoors; comfort. Apply, with fullest particulars and photo, to Corrie & Son, Chemist, Maidstone.

MALVERN.—Qualified Assistant, accustomed to best-class Retail and Dispensing. Please apply, stating full particulars of previous experience, salary required (indoors), etc., to A. Mar, Pharmaceutical Chemist, Malvern.

NORTH OF ENGLAND.—Smart, energetic Assistant wanted; Counterman and good Stockkeeper; knowledge of Country Farmers' trade desirable; Minor qualification not essential; man preferred; short hours; no Sunday duty; permanency; age under 30. State age, height, salary required (outdoors), and particulars of previous engagements in first letter to 277/2, Office of Paper.

OXFORD.—Assistant for good-class business; outdoors. A stating age, experience, height, salary required, send photo and references, to the Oxford Drug Co., Ltd., Dispensing Chemist, Oxford.

PARISH OF ST. GILES, CAMBERWELL. DISPENSER, INFIRMARY.

THE Guardians of the Poor of the Parish of St. Giles, Camberwell, invite applications for the appointment of Dispenser at their Infirmary, Brunswick Square, Camberwell. Applicants must be fully-qualified Dispensers. Salary £120 per annum, increasing to £140 per annum after 4 years' service, and then biennial increments of £10 to £180 per annum. Forms of application can be obtained upon application here or by forwarding a stamped addressed foolscap envelope, and the same must, when duly completed, be returned to me not later than first post on Friday, 22nd instant. Particulars as to duties can be obtained upon application at the Infirmary.

Canvassing the Guardians either directly or indirectly is prohibited, and will disqualify any Candidate.

By Order,

CHARLES S. STEVENS.

Clerk to the Guardians.

Guardians' Offices, 29 Peckham Road, S.E., April 14, 1910.

ROYAL SOUTH HANTS and SOUTHAMPTON HOSPITAL.—Qualified Dispenser required for the above Hospital; qualification necessary; salary £60 per annum, with rooms, food, and washing. Applications, with three recent testimonials, sent to the undersigned before April 21.

T. A. FISHER HALL, Secretary.

March 31, 1910.

SOUTH AFRICA.—A first-class qualified man, unattached, wanted for Senior position; 3 years' agreement; paid out; salary £20 per month first year, £21 per month second year, £22 per month third year; bedroom provided. Apply, by "L," 54 Queen Elizabeth Street, London, S.E.

SOUTHPORT.—A second qualified Assistant; outdoors; experienced in good Dispensing business; state usual particulars with salary required; applications unanswered in days declined. Joye, Pharmacist, Southport.

TUNBRIDGE WELLS.—Qualified Assistant for high-class Dispensing business; indoors; about May 10; 2 kept. State usual particulars, salary required, and enclose photo, Howson, Tunbridge Wells.

WESTGATE-ON-SEA.—Smart Junior; outdoors; accustomed to good-class Business; Photographic and Dispensing. Apply, with full particulars, Tyman, 8 St. Mildred's Road.

WEST COUNTRY (Seaside Health Resort).—Wanted, a Junior Assistant, about 20 years of age, for a Dispensing and good-class Family Retail, with Photographic; season engagement; indoors; one only kept; state salary required and give usual particulars; no Nonconformist need apply. Address, "Somerset" (275/8), Office of this Paper.

WEYMOUTH.—Wanted, Junior Assistant (outdoors), with good Dispensing experience and a knowledge of Photography. Reply, enclosing photo (to be returned), stating age, height, experience, and salary required, to Wiseman, Chemist, Weymouth.

A BRANCH Manager; qualified; married; abstainer; age 30 to 45; a good opportunity to acquire small business on easy terms a few years hence; small place of less than 2,000 inhabitants in Wiltshire. Please address, "Euonymin," c/o British Drug Houses, Ltd., Graham Street, London, E.

A QUALIFIED Assistant, age 22 to 24, for a first-class Dispensing house in the West End. Apply, by letter, to 135/21, Office of this Paper.

BRANCH Manager; qualified; one willing to adapt himself to Store methods of trading; progressive salary to an energetic man; can commence at once. Apply, Bewell's, Cash Chemists, Pitfield Street, N.

GENTLEMANLY Assistant wanted, for good Mixed business; age about 25; indoors; knowledge of Photography essential; no Sunday duty. Apply, "X. Y. Z." (137/51), Office of this Paper.

GREAT NORTHERN CENTRAL HOSPITAL, HOLLOWAY, N.—Required, immediately, a Junior Assistant Dispenser; Minor qualification; salary £80 per annum, with luncheon. Applications, in writing, giving full particulars of age and experience, and accompanied by three recent testimonials, to be addressed to the Secretary.

HAYWARDS, Store Chemists, Leicester Square, Walsall, have vacancy for qualified Manager; good salary to suitable man. Apply, Horace D. Hayward, Principal.

JUNIOR or Improver; indoors. State age, height, reference, salary required, C. A. Hedley, Chemist, Rushden, Northants.

SMART energetic Assistant; outdoors; not under 25; accustomed to a good-class Retail and Dispensing business, with knowledge of Photography essential; one seeking permanency preferred; easy hours; weekly half-holiday; no Sunday duty. Apply, with full particulars of last three situations, height, salary, etc., with first letter, to Dalgleish, Huntingdon.

PART-TIME Assistant required; suit student. Apply, Watkins, Chemist, Stilehall Parade, Chiswick.

PHARMACEUTICAL SOCIETY OF IRELAND.

THE Council of this Society will, on May 4, 1910, proceed to the appointment of an Examiner for the Practical Pharmacy Division of the Pharmaceutical Licence Examination, subject to the approval of his Excellency the Lord-Lieutenant and the Privy Council of Ireland.

Full particulars will be supplied by the Registrar, with whom applications should be lodged not later than the 26th instant.

ARTHUR T. FERRALL, Registrar.

67 Lower Mount Street, Dublin,
April 12, 1910.

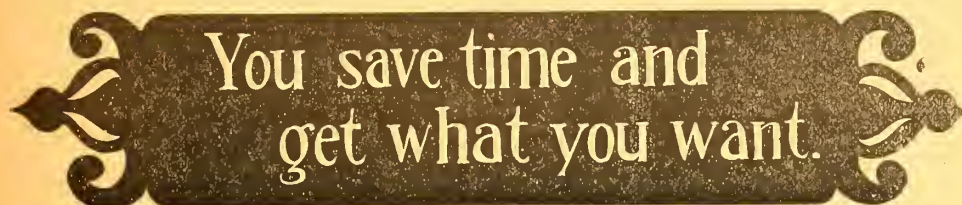
WANTED, a reliable Junior; outdoors; one accustomed to a brisk Cash Retail preferred; must have good references. Apply, stating usual particulars and enclosing photo, to Benjamin, Chemist, Ross-on-Wye.

WANTED, at once, capable man to Manage small Drug-stores; good Dispensing experience; interview necessary. Bell & Co., 100 Commercial Road, E.

WANTED, for a good-class Country Retail business, a competent qualified Assistant; must be a good worker and thoroughly reliable; permanency to suitable man; outdoors; easy hours; weekly half-holiday; no Sunday duty. Apply, with full particulars, stating salary required, enclosing photo (if possible), Bates & Hunt, Wellington, Salop.

WANTED, for high-class Dispensing and Photographic business, qualified Senior (indoors); also unqualified Junior; half-holiday weekly. Please send photograph, with full particulars, to Beetham & Clark, Cheltenham.

WANTED, early in May, unqualified Assistant; smart Salesman, Window-dresser, and Stockkeeper. Send photo and full references and salary required in first letter, Bowling, Chemist, Pembroke Dock.



MR. GRIFFIN, Pharmacist, Bath, has a vacancy at the end of the month for an Assistant well up in Dispensing; aged about 23; unqualified; comfortable home and easy hours.

NATIONAL HOSPITAL FOR DISEASES OF THE HEART.—Lady Dispenser wanted; commencing salary £60 per annum. For full particulars apply to the Secretary, 32 Soho Square, W.

PART-TIME ASSISTANT for good-class Dispensing Business. Apply, Davies & Long, 48 Dorset Street, Baker Street, W.

PHARMACIST for New York; well-educated young Pharmacist with good Retail experience in British Isles, wanted to demonstrate Pharmaceutical Preparations to Medical men. Apply, "N. York" (137/46), Office of this Paper.

QUALIFIED Assistant; outdoors; accustomed to good-class Retail and Dispensing business, with Photography; good Dispenser essential; personal interview preferred if possible; comfortable permanency; Junior kept; applications not answered in 3 days declined. Full particulars, with salary required, to Gould, Pharmacist, Teddington, S.W.

QUALIFIED Assistant required for easy berth in the East-end of London; duties light. Please state full particulars in first letter, salary, etc. (outdoors), to Williams & Co., 22 Agnew Road, Honor Oak Park, S.E.

REQUIRED, for a Cash business in London, a qualified Assistant; chiefly Dispensing and Preparations, with a little Counter work. Please state age, experience, references, and salary required to "Cacher" (275/36), Office of this Paper.

F. GOSS, LTD., require smart young qualified Assistant as first Counterman; no Sunday or holiday duty. Apply, 60 Oxford Street, W.

SMART, energetic, unqualified man wanted to Manage busy Drug-store in Midlands; 30s. per week, house and gas free and bare of profit; give full particulars in first letter; must have unimpeachable references. 276/39, Office of this Paper.

WANTED, Manager (25-30) for small business in S. Wales; good Prescriber, Counterhand, and Window-dresser essential. Reply, giving full particulars, salary required, etc., to 277/12, Office of this Paper.

WANTED, an Assistant, about 23 to 25, qualified, for Dispensing business; London or South Coast experience preferred. State salary (indoors), experience, and full particulars, 278/19, Office of this Paper.

WANTED, an elderly qualified Chemist, 50 or over, to manage a small business in a small Lancashire town; state age, height, religion, and salary required. Apply, 277/40, Office of this Paper.

WANTED, a Senior Assistant; qualified; outdoors. Apply, giving full particulars, to D. P. Roberts, Chemist, 120 North End, Croydon.

WANTED, Assistant; unqualified; about 27; knowledge of Photography essential. State age, height, references, and salary required to "Sanatogen" (137/56), Office of this Paper.

WANTED, immediately, smart experienced Junior; good Counterman; knowledge of Photography essential. References, photo, and usual particulars, with salary required, to Horton, Chemist, Chichester.

WANTED, a Junior or Improver; ample time to attend Classes; near Liverpool School of Pharmacy. Apply, Marples, Chemist, 5 Berry Street, Liverpool.

WHOLESALE.

JOHANNESBURG—Assistant wanted for Wholesale Druggists' warehouse; preference given to one who has had some Retail experience and been engaged in provincial Wholesale house; 3 years' agreement; salary £15, £15, and £17 per month for first, second, and third years respectively; second-class passage paid. Apply, "G. H." (279/37), Office of this Paper.

SOUTH AFRICA.—Representative, having already some substantial and allied agencies, wanted by Export Druggists; knowledge of country indispensable. Apply, with full particulars, to 94/57, Office of this Paper.

CLERK with previous experience of Drug trade. State all particulars to "S." (137/57), Office of this Paper.

EXPERIENCED Pill and Tablet Maker wanted by London firm; must be capable of taking part charge. Write, stating salary required and previous experience, to "Tablet" (275/19), Office of this Paper.

PACKER.—An experienced Export Packer required by a firm of Manufacturing Chemists; applicants should give full details of previous situations and wages required. 132/54, Office of this Paper.

REPRESENTATIVE wanted, calling on Wholesale Druggists, Chemists, Perfumers, etc., to sell Bottles as a side-line. For particulars write, 275/39, Office of this Paper.

REPRESENTATIVE wanted, with sound London connection, for an exceptionally quick-selling Proprietary; has been well introduced; no samples; must possess undeniable references and proof as to abilities; no other Agencies allowed; also vacancy for good worker for the Midlands. Apply, by letter, in confidence, 182 Stroud Green Road, N.

REPRESENTATIVE required, by Druggists' Sundries house, to work and extend established connection in Midlands, South Wales, and South Coast; only really good reliable gentlemen with intimate knowledge of the trade need apply; state full particulars as to age, experience, ground worked, etc. 279/33, Office of this Paper.

REQUIRED, at once, smart Assistant for Wholesale Cash Counter; also Junior as Telephone Clerk; must have good knowledge of the trade. Apply, stating previous experience, salary required, etc., to Goodall, Backhouse & Co., Leeds.

WANTED, steady man to make Spread Plasters. State previous experience and salary required to 133/41, Office of this Paper.

WANTED, Forewoman, capable of controlling staff of girls and experienced in Packing and Labelling. Anglo-American Pharmaceutical Co., Ltd., Galen Works, 59 Dingwall Road, Croydon.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; **6d.** for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

CONTINENT.—English Assistant; 26; qualified; good experience and references. "Pharmacie," c/o Smyth, 11 Rue S. Michel, Menton.

BRUSSELS, SWITZERLAND, or PARIS.—Foreigner seeks situation; speaking English, French, Italian fluently; West-End, Continental experience; good references; disengaged May or June. Write, Cairoila, 17 Avenue Pictet-de-Rochemont, Geneva, Switzerland.

SITUATIONS WANTED

[HOME.]

RETAIL.

ASSISTANT; unqualified; good Dispenser; all-round experience; age 37. "D.," 33 Melbourne Road, Ilford.

QUALIFIED; outdoors; over 30; good class. "L.," 84 Huntley Street, W.C.

QUALIFIED; 29; good all-round experience. "Radix," 35a Cato Road, Clapham.

ASSISTANT requires berth in Store trade; Midlands. "Iradis," G.P.O., Birmingham.

QUALIFIED; 30; good Dispenser; abstainer. "Rosary," Gloucester Road, Hampton-on-Thames.

EVENINGS, one or more per week, Saturdays 3 o'clock. J. P., 16 Cambridge Street, Hyde Park.

ASSISTANT; 25; competent Dispenser, Photography, Counter; good references. "C.," 5 Taybridge Road, S.W.

MODERATE terms; Major; 37; tall, energetic; experienced all round; disengaged. Burrell, 68 Wellelose Grove, Leeds.

AS Dispenser to Surgeon or for Counter; disengaged; 13 years' experience. "Statim," 5 Atherfold Road, Clapham, S.W.

QUALIFIED; 26; West-End experience; excellent references; disengaged. "Pharmacist," 18 Heslop Road, Balham, S.W.

MANAGER; qualified; disengaged; reliable; good experience; permanency preferred. "Pharmacist," Blithfield, New Malden.

ASSISTANT; 18 years' good all-round experience; disengaged; references. Campbell, 92 Sumatra Road, West Hampstead, N.W.

ASSISTANT; 23; 7 years' all-round experience; excellent references; Extractor. "Viride," Parramatta, Adnett Road, Northampton.

DISENGAGED; Locum or permanency; unqualified; 17 years' experience; good references. "Extractor," 59 Hunter Road, Ilford Lane, Ilford.

MANAGER; qualified; age 36; tall; married; good all-round experience; Photography; abstainer; disengaged. Rowell, 1 Temperley Place, Hexham.

RELIEF; qualified; 1 or 2 days weekly wanted. Lindley, 6 Alrio Avenue, Harlesden, N.W.

QUALIFIED; permanency; 23; good-class Retail, Dispensing. "K. O. H.," 85 Grange Road, Ramsgate.

LOCUM or temporary Assistant; qualified; energetic; disengaged; booking dates. Frank Herington, Dunstable.

LOCUM; qualified; under 30; good varied experience; disengaged. "Chemist," 52 Lonsdale Street, Acerrington.

LOCUM; qualified; reliable; highest references; booking forward. "A.," 41 Palmerston Road, Sparkbrook, Birmingham.

SENIOR or Manager; qualified; good references; outdoors; North countryman; age 38. "J. B.," 109 Feutiman Road, S.W.

MANCHESTER.—Unqualified; 24; good experience; Dispensing, Photography. "Disengaged," 27 Bury New Road, Prestwich.

UNQUALIFIED; 31; all-round experience; West of England market-town preferred. "Prescriber" (275/6), Office of this Paper.

LADY Dispenser, Hall's certificate, wishes evening Dispensing, London, S.W.; splendid testimonials. 272/15, Office of this Paper.

QUALIFIED; disengaged end of April; Locum or season; references given; moderate salary. Dixon, 231 St. George's Road, Preston.

ASSISTANT; 24; unqualified; good experience; Dispensing, Photography, etc.; well recommended. Lyon, 2 Gibbesons Terrace, Lincoln.

LOCUM; free May 1 to June 9; qualified; 28; abstainer; wide experience; excellent references. Gordon, c/o Mander, Chemist, Malvern.

ASSISTANT; 24; married; 8 years' experience; good references; disengaged. "Veronal," 38 Washington Road, Sharrow, Sheffield.

MANAGER; middle-aged; London experience in first-class Pharmacies; excellent references; disengaged. 274/29, Office of this Paper.

UNQUALIFIED; at liberty April 18 to 30. "Rhei," 139 Cannhall Road, Leytonstone.

JUNIOR or Improver; 20; 6 years' experience. Wayte, Cuthbert Street, South Shields.

OCUM; 26; qualified; teetotal; disengaged April 25. "Ferrum," 45 Crawford Avenue, Liverpool.

OCUM; qualified; disengaged; good references. T. Suoxell, 75 Woodbridge Road, Guildford.

JUNIOR or Improver; age 19; 4 years' experience; references. "A. D.," 1 Brook Street, Treorchy.

UNQUALIFIED; 38; good references; 23 years' experience. "G.," 2a Highfield Road, Dartford, Kent.

PART-TIME; 22; Dispensing, Photography; Manchester or district. "J. K.," 165 Cheetham Hill, Manchester.

PERMANENCY; qualified; 26; tall; best experience and references; outdoors. Holbrook, Etwell, Derbyshire.

SSISTANT; 32; experienced; Dispensing, Prescribing, Photography, etc. "Douglas," 173 Spital Hill, Sheffield.

JUNIOR or Improver; 20½; tall; Dispensing, Photography; 4 years' experience. J. H. Martin, Melsonby, Darlington.

AY Locum, part-time, occasional days, half-days; competent; references. Thompson, 17 Ranelagh Grove, Belgravia.

JUNIOR or Improver requires berth; 4 years' experience; age 19; outdoors. Apply, Westley, 68 Victoria Park, Cambridge.

JUNIOR; 23; Dispensing, Counter; well recommended; disengaged. "Statim," Trensale House, Polesworth, Tamworth.

CHEMIST and Surgeon-Dentist disengaged; good Prescriber, Dispenser, Counterman, etc.; single. Manager, 61 Hook Road, Rom.

DISPENSER, Dresser, and Surgery Attendant to Doctor; experienced; excellent references. Apply, 278/22, Office of this Paper.

JUNIOR or Improver; 4 years' experience; Light Retail and Dispensing; height 5 ft. 6 in. "Radix" (276/10), Office of this Paper.

MANAGER; mid-age; active; all-round experience; permanency desired; excellent references. "Pharmacist" (279/1), Office of this Paper.

MANAGER; qualified; 32; 5 ft. 10 in.; disengaged; married; excellent references. Mitchell, 3 Alpha Street, Higher Openshaw, Manchester.

DISPENSER, good Prescriber, desires foreign experience or otherwise; gentlemanly appearance; reliable; abstainer. 277/29, Office of this Paper.

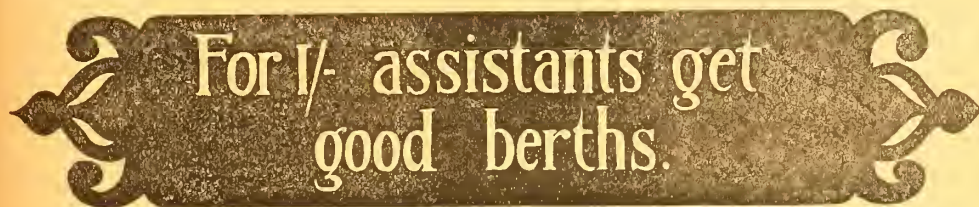
MANAGER or position of trust; 33; qualified; married; 8 years in last berth; excellent references; life abstainer. "H." (278/7), Office of this Paper.

LOCUM, Manager, emergency; terms moderate; 30 years' wide experience; April onwards; qualified. "Chemist," 5 Hannah Street, Crowcroft Park, Manchester.

ADVERTISER wants Managership for about 12 months, afterwards Partnership or succession; qualified; 27; tall; good experience; excellent references. "Extractor" (279/13), Office of this Paper.

DISENGAGED; unqualified; 25; 10 years' good experience; Dispensing, Retail, Stockkeeping; abstainer; outdoors; London preferred; excellent references. "Industria," Nantymarddu, Garth S.O., Breconshire.

WANTED, by Chemist with highest credentials, position with Chemist retiring from business with view to succession or Partnership, or would purchase good Business; no Photo or Optics; Liverpool district; Welsh Coast or other resort preferred; replies strictly confidential. 279/4, Office of this Paper.



PART-TIME; 4 days per week; Clapham district preferred; study for Minor; disengaged April 25. Howell, Pentwyn Farm, Llanhamlet, Swansea.

UNQUALIFIED; 35; height 6 ft.; single; disengaged; good address; all-round experience; 3 years' reference. Michell, 32 Unity Road, Tooting, S.W.

QUALIFIED; young; 7 years' good experience; excellent references; Dispensing, Counter, and Photography. Walkinshaw, 49 Anley Road, Barrow-in-Furness.

ASSISTANT; 25; experienced in good-class Dispensing, Retail, and Photographic business; disengaged; outdoors preferred. Brox, Burditt Laue, Sudbury, Suffolk.

EXPERIENCED and capable Assistant (28) desires change; high-class Dispensing and Counter; season or permanency; outdoors. "Stim," 355 King Street, Hammersmith.

Dispenser to Doctor; Medical Student (21) wants post; good bookkeeper; reliable; small salary; London preferred; appointment immediately. M. Fellows, Hurst Hill, Bilston.

ASSISTANT; unqualified; abstainer; experience, including photography; good references; Wholesale or Retail; outdoors; disengaged. S. A. Wells, Sibford Gower, near Banbury.

ASSISTANT; unqualified; 25; reliable Dispenser; 35s. outdoors 20s. weekly indoors; varied experience; well recommended. "Brade," c/o Phillips, 36 Westmoreland Road, Bayswater, W.

SENIOR or Manager; qualified; 24; tall; high-class Dispensing and Retail; also knowledge of Photography; outdoors; Midlands; disengaged May 11. B. Grettton Watson, c/o Messrs. Town & Son, Pharmacists, Tunbridge Wells.

MANAGER or Locum; disengaged. Balchin, 74 Angell Road, Brixton, S.W.

ASSISTANT, good London experience, wants few hours daily. "J.," 128 Fleet Street.

LOCUM; permanency; 35; qualified; disengaged. 47 Briscoe Mansions, Brixton Hill.

ASSISTANT; 34; outdoors; permanency; well recommended. 276/37, Office of this Paper.

DISPENSER and Bookkeeper to Doctor; experienced; disengaged; married; 36; unqualified. 278/35, Office of this Paper.

LOCUM, Part-time, or permanent; thoroughly reliable; well up; disengaged. "C.," 98 High Street, Tooting, S.W.

QUALIFIED Assistant; 29; married; speaks French. Apply, "Manager," 8 High Street, Hampton Wick, Middlesex.

MANAGER; disengaged; qualified; reliable; good references; permanency. "Pharmacist" (277/28), Office of this Paper.

QUALIFIED; 28; first-class Dispensing experience; good references. "Pharmacist," Briggs Villas, Queensbury, Bradford.

MANAGER; married; qualified Chemist; 30 years' Dental Surgery; disengaged fortnight. "Vulcanite" (277/13), Office of this Paper.

ASSISTANT; 26; smart; 9 years' good-class Dispensing and Counter experience; permanency. "Statim" (280/22), Office of this Paper.

SITUATIONS WANTED (continued).

QUALIFIED; experienced; 30; accustomed to good-class Family and Dispensing Retail; Prescriber and Photo. 275/13, Office of this Paper.

RELIABLE and experienced Manager requires responsible position; qualified; married; 33; town or country. "H.," 5 Parade Villas, Herne Bay.

ASSISTANT; 38; capable, energetic; London and provincial experience; unqualified. "Fides," 21 Bankfield Road, Mouldgreen, Huddersfield.

QUALIFIED man seeks re-engagement; good Dispenser and Counterman; expert Photographer; age 24. Replies, 276/13, Office of this Paper.

IMPROVER (19½) requires situation; 4 years' experience; knowledge of Photography; North preferred. S. Robson, 20 Wellfield Terrace, Felling-on-Tyne.

LOCUM; Birmingham and district; age 32; unqualified; all-round experience; good references. Address, "Senega," 38 York Street, Harborne, Birmingham.

QUALIFIED Branch Manager or Senior; 31 years age; experienced, and excellent references; country or seaside preferred; outdoors. Downing, Chemist, Exeter.

QUALIFIED; 27; Store experience; married; London or country; outdoors; good Salesman and Dispenser; Manager or Senior Assistant. 41 Crookham Road, Fulham.

QUALIFIED Manager; 39; tall; 7 years present situation; good Counterman, Prescriber, and Window-dresser; excellent references. Apply 275/7, Office of this Paper.

MANAGER or Assistant, with or without view to purchase; Southern county; reliable and steady; excellent references; Major. Hodder, 41 Pier Road, Littlehampton.

DISENGAGED; Assistant; 28; unqualified; varied experience; smart Counterman, Prescriber, Dispenser; married; excellent references. Apply, "H. A.," 28 Elder Avenue, Crouch End, N.

ASSISTANT; 29; smart; unqualified; high-class Dispensing and Counter work; also Store experience; exceptional references; permanency; outdoors preferred. Apply, 273/36, Office of this Paper.

ASSISTANT; experienced in good-class Dispensing and Photographic business; smart Window-dresser; highest references; disengaged. Parr, Elms Road, Sutton Coldfield, near Birmingham.

IMMEDIATE.—Working Drug Branch Manager; 49; single; moderate terms; 3 years last reference; good Prescriber, Pushing Counterman; abstainer; unqualified. "Statim," 20 Chapel Street, Uxbridge.

QUALIFIED Chemist (over 40 years of age) seeks post as Branch Manager or Senior Assistant; smart and industrious and of good address; now disengaged. Apply, "Corona," c/o Raimcs & Co., York.

CHEMIST (32) seeks position as Manager or Senior in South Africa; excellent experience and references; Sight-testing, Dentistry, and Photography. Address, Elliott, Bleak House, Ripley, Derbyshire.

ASSISTANT; whole or part time; 28; abstainer; 12 years' high-class Dispensing, Photographic experience; undeniable references; capable taking charge; in- or out-doors. "Alpha" (280/7), Office of this Paper.

UNQUALIFIED; 31; London and country experience; country or South Coast preferred; good references; disengaged; Locum or permanency; or would Manage small branch. Address, 278/17, Office of this Paper.

MANAGER; qualified; 29; married; capable and energetic; highest references; excellent all-round experience; Photography, Prescriber; permanency preferred; live on premises. 276/22, Office of this Paper.

NO Money Required!!!—Assistant, having failed in Dispensing at Minor Examination, is willing to give 3 months in good-class Dispensing business in return for board, lodging, and washing. Evans, c/o Pratt, Canterbury Road, West Kilburn.

QUALIFIED; disengaged; nearly 23; high-class London and Provincial experience; trustworthy Dispenser, Counterman, and Prescriber; Photographic, Galenic Manufacturing, etc.; outdoors; highest references. Hughes, 36 Gladys Avenue, North End, Portsmouth.

LOCUM; qualified; excellent references; disengaged. "Cains," 21a Castletown Road, West Kensington.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

MANAGER; qualified; best experience; London; outdoors. Rowland, 20 Buckingham Palace Road, S.W.

ASSISTANT; 22; good references; time for study preferred. R. Webber, Fair View, Puriton, Bridgwater.

QUALIFIED; Branch Manager; married; live on premises. "Chemist," 18 Galloway Road, Shepherd's Bush.

DISENGAGED; unqualified; 38; 16 years in London; good varied experience. Fletcher, Black Horse Yard, Whitby.

MANAGER; permanency or Locum; middle-aged; qualified; Store experience. "M. H.," 10 Raby Street, Darlington.

MANAGER or Locum; qualified; good experience; disengaged. "Pharmacist," 27 Pine Street, Pendleton, Manchester.

MANAGER; permanent or Locum; qualified; married; good all-round experience. "Permanent," 82 Gilbey Road, Tooting, S.W.

QUALIFIED; 37; single; excellent all-round experience, seeks situation as Branch Manager. "Chemist," 14 Harborough Road, Streatham, S.W.

PART-TIME, qualified, wanted, with evenings and part days free, in London. Address, "Chemist," 25 Chelsham Road Clapham Road, S.W.

JUNIOR or Improver (19), 3½ years' experience, requires situation in high-class business in London. A. C. Smith, Broad Street Pershore, Worcestershire.

LOCUM, Senior, or Manager; sound all-round experience; tractor, Window-dresser; disengaged Monday. "Chemist," 2 Lawton Road, Leyton, E.

JUNIOR; 22; tall; West-End experience; hours allowing a little time for study; London or Manchester; outdoors preferred 280/6, Office of this Paper.

SOUTH OF ENGLAND.—After Whitsun; Assistant; unqualified; 28; experienced and reliable; abstainer; 19 years' experience Jenkins, 13 Walter Road, Swansea.

QUALIFIED Chemist, middle-aged, is open to an engagement at a moderate remuneration if the hours are not too long. "L." (276/31), Office of this Paper.

LOCUM; permanency preferred; age 46; abstainer; disengaged; Hall; moderate salary; good experience; Extractor; in- or out-doors. Watson, 164 Fowls Street, Woolwich.

BRANCH Manager; qualified; thoroughly good all-round manager; Prescriber, Dental, Photography; reliable and energetic; abstainer; married. 281/4, Office of this Paper.

MANAGER, Locum, relief; qualified; sound all-round experience; excellent references; reliable, trustworthy; disengaged. "Aspirin," 102 Briscoe Mansions, Brixton Hill, S.W.

JUNIOR, 5½ years' experience, requires situation in high-class business; London preferred; Photography, window-dresser terms moderate. "Essex" (280/10), Office of this Paper.

EMPLOYER wanted; one who is desirous of having his Branch conducted on business principles by a thoroughly competent qualified man. "Co-Secant" (266/13), Office of this Paper.

24; experienced all branches the profession; Prescriber, experienced Branch Manager. "J.," 132 Riverdale Road, Plumstead.

6 FT.; 31; Dispenser, Bookkeeper, or Branch Manager; high credentials; thorough general experience; proved successful Manager; abstainer; moderate salary. 278/25, Office of this Paper.

WANTED, by qualified, with knowledge of foreign languages, to assist in business, later Manager, with view to purchase agents; London or country; capital say £450; similar amount arrangement. Apply, in confidence, to "Succo," c/o Evans Lest London.

WHOLESALE.

GENTLEMAN, 6 years' Retail and some Wholesale, wishes to Travel. 280/60, Office of this Paper.

TRAVELLER; 20 years' connection, London and provinces; Drugs and Proprietaries. 277/16, Office of this Paper.

WAREHOUSEMAN; 27; used to Druggist Sundries and Packing Export Perfumeries. 279/38, Office of this Paper.

SKTH required, Wholesale, London; Sundries, Surgical Requisites, Drugs. "W., 123 Saltram Crescent Paddington.

PHARMACEUTICAL Chemist requires position; varied experience in Analytical and General Laboratory work. Replies, 280/24, Office of this Paper.

MART, energetic young man requires berth as Representative; good business instinct; Drugs, Sundries, Photographic. 277/36, Office of this Paper.

COMMISSION wanted, good; Lancs, Yorks; splendid opportunity; advertiser experienced; Pharmaceutically trained; terms, plies, 278/4, Office of this Paper.

WORKS Chemist or Manager; 15 years' London and Provincial Wholesale experience; could equip Laboratories home or road. "Chemist," 14 Stirling Road, Birmingham.

LERK; capable, energetic; several years' experience, Wholesale Drug-trade; good knowledge of Invoicing and General Office work; first-class references. 281/1, Office of this Paper.

TRAVELLER; experienced in Photographic Materials; well known South and West ground; moderate remuneration or good commissions entertained. Everest, 4 Festing Grove, Southsea.

REPRESENTATIVE.—Gentleman open to Represent first-class firm calling on Doctors and Chemists; tall; good appearance; aged 33; 13 years' experience. "G." (276/3), Office of this Paper.

REPRESENTATIVE seeks re-engagement; large personal connection, Liverpool, Cheshire, North Wales, etc., Drug or Sundries, with firm of repute. "Commercial" 103 Walton Breck Road, Liverpool.

ADVERTISER, with sound connection amongst Chemists, South Coast and West of England, is open to carry one other Line; Proprietary preferred; accustomed to call upon Medical men. "Venture" (276/21), Office of this Paper.

SHIPPING Clerk (25) desires berth; fully competent in Shipping, Consular, Invoices, Customs work, invoicing and export business generally; 10 years' experience exporting Drugs, etc.; moderate salary. "S. F. H.," 54 Thorold Road, Ilford

EXPERIENCED Representative seeks re-engagement shortly; sound, valuable connection; over 300 live accounts in Wales, Lancashire, and Cheshire; Sundries, Perfumery, etc.; must be most reliable firm. Replies, 278/3, Office of this Paper.

CHEMIST (qualified), with 20 years' valuable personal connection high-class Chemists and Hairdressers in England, Wales, and Scotland, has opening for additional good Side-line on commission; highest references. Apply, 275/40, Office of this Paper.

ADVERTISER (£1) requires Analytical experience in Wholesale Chemist's during study for examinations; 4 years in Wholesale Pharmaceutical department; several South Kensington certificates; matriculant; salary no object. Pickworth, Lakenheath, Suffolk.

Progressive men get
business through it.

MISCELLANEOUS.

ADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—35 Allen & Hambro's "B" Preference, 24s.; 10 Benger's Ordinary, 33s. 3d.; 40 Hans Lescher Preference, £5 5s. 6d.; £200 Idris Debentures, 53; 110 G. B. Kent & Son's 5½ per cent. Preference, 17s. 7½d.; 160 J. White Ordinary, 2s. 3d.; 50 Wright, Layman Preference, 22½.

WANTED (subject).—500 Idris "A" Preference, 2s. 9d., £300 Debenture 61; 100 Wright, Layman Preference, 21s. 3d. x.d. Lot of shares for sale and wanted sent free on application. Barrs, London County and Westminster. Established 1898.

BARGAINS IN SHOPFITTINGS (second-hand).—Two Plate-glass fronted Serving Counters, one 17 ft. long, price £12, another 12 ft. long, £8 15s.; wall Show-case, 10 ft. 6 in. long, mirror centre, price £12 10s.; Drug-fitting, 12 ft. long, £12 10s.; Desk and Perfume-case £5s.; Plate-glass Counter-case, 5 ft. long, 80s.; quantity of otherthings, various sizes, great bargains. PHILIP JOSEPHS & SON, LTD., 93 Old Street, London, E.C.

CHEMISTS' Fittings, Drug-fittings, Dispensing-screens, Perfume-cases, Wall-cases, Counter-cases, Centre-cases, Counters, Window Enclosures, Drawers, All Shopfittings of every description (second-hand) at lowest prices that can't be beaten; get my estimate and save money; 30 years' practical experience. George Cook, The Working Shopfitter, 8 Cross Street, Islington, London.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect RUDDUCK & CO., 262 OLD STREET, E.C.

SECOND-HAND Chemists' Shop, and Office Fittings for Sale; condition as new. Congdon & Son, 77 Clerkenwell Road.

ARE YOU AT ALL ANXIOUS

to secure your share of the Horticultural and Agricultural trade this year? There are great possibilities for this providing you try for it in the proper way. The season is starting now, and NOW is the time to make a bid to capture back the trade which has gone to others. I have special schemes and features for this which WILL help you. Booklet "How to Increase Your Business," sent post free to Pharmacists only.

J. R. B. ALLISON, Pharmacist and Business Specialist, RETFORD.

CHEMISTS' SHOP-FITTINGS (SECOND-HAND). — Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.

Two More Hardly Dry Testimonials.

First—Yorkshire client, middle-size town, enclosing his renewal fee FOR HIS FIFTH YEAR, says: "I AM PERFECTLY SATISFIED." Next—London client, who renewed 6 weeks ago, writes: "You will be pleased to hear I did £100 last month, £20 Easter week (5 days) with Easter Scheme." This man opened his shop 15 months ago and has been in my books ever since. How many hundred London Chemists are doing less after 5 years' trading? I shall be in London April 21, for 8 hours; get free booklet now and let me see you then.

Bernard Slack, 9 King St.
Tel. No 581, Wolverhampton.

GUMMED PRICE TICKETS

Crimson ground, white figures. Stocked in all usual prices up to 2/6, each price banded separately in hundreds. The Midget, 9d. per 1,000. The Magnum, 1/6. assorted 10 prices. Full illustrated list of Blanks for use with these tickets free on application.

10^p

3 and 40, Ticket Writers & Printers, Holloway, London

EXCHANGE COLUMN

FOR DISPOSAL

BOOKS AND PERIODICALS.

ATFIELD, "Pharmacopodia," Greenish, "Codex," Wills's (all), Lowson, etc.; send stamp for list. 276/8, Office of this Paper.
U.C.C. matric. books: all in good condition: recent editions: card for list. THORNE, c/o Thompson Sharp, Chemist, Horley, Surrey.
LOWSON'S "Botany," 3s.; Green's "Botany," Vol. I., 3s.; London College Essentials of Pharmacy, 2s. 6d.; all in good condition. ELLIS, Higham House, Albert Road, Ilford.

DRUGS AND CHEMICALS.

SURPLUS Stock.—Glycerine, pure, 1,260, 2 $\frac{1}{2}$ -cwt. tins for 90s.; morph. mur. $\frac{1}{2}$ oz., morph. acet. $\frac{1}{2}$ oz., for 7s. 6d., slightly darkened with the light (sample). Apply, 278/21, Office of this Paper.

FORMULÆ.

FORMULA for sale, sauces, 4d. gall. FRANCE, 42 Vartry Road, London, N.

1s. 6d.; strong paste for cardboard, leather, and paper; another for tin; sample 3d. LOBB, Willesden.

COMPLEXION-CREAM; neither sticky or greasy; an ideal toilet requisite; 2s. 6d. OWEN, 17 Bellevue Street, Swansea.

BOOT-POLISH or harness compo, recipe for making (without plant), 2s. 6d. SILVER MEDALLIST, 21 Hordern Road, Wolverhampton.

OPTICAL AND PHOTOGRAPHIC.

NEARLY new Beck binocular, A and B eye-pieces, 2-in., 1-in., and $\frac{1}{2}$ -in. objectives, Lieberkum, Paraboloid, Polariscope, achromatic condenser, diaphragm, dark well, aquatic trough, etc., in case complete; cheap. MARPLES, Chemist, 5 Berry Street, Liverpool.

MICROSCOPE, 1th, 3rd objectives, nose-piece, £2 17s. 6d., another 17s. 6d.; chemical balance with metric weights, 27s. 6d.; assay balance and weights, 8s.; roll 7 dental forceps, unused, 27s. 6d.; dental engine, Ash, £3 5s.; cachet-closer suppository, pessary moulds, lot 20s.; blocks for packing tea, etc., $\frac{1}{4}$, $\frac{1}{2}$, 1 lb. 3s. 6d. set; Veedee vibrator, 7s. 6d.; Ross whole-plate camera, slides, lens, tripod, Thornton-Pickard shutter, £5 10s.; 7 by 5 cartridge Kodak, plate attachment, 6 slides, £2 5s.; "Extra Pharmacopœia," last edition, 6s. 9d.; "Secret Remedies" and 20 other books, 3s. 6d. HICKMAN, 5 Abbotts Road, Southall.

PROPRIETARY ARTICLES.

£2 the lot.—1 oz. original Otto of Rose, 8 2s. 9d. Zambuk, 1 2s. 6d. Rimmel's toilet vinegar, 1 2s. invalid Bovril, 2 1s. 1½d. Mann's medicine, 2 2s. 9d. Agnew's catarrh, 8 dr. HADFIELD, Hawkhurst.

SHARES.

SHARES for Sale. See page xxiii.

MISCELLANEOUS.

MARBLE-TOP counter scales, also Dispensing scales, with weights, stamped; 18s. 6d. YEO, Chemist, Basingstoke.

WHAT offers?—Check-till, O'Brien's, with coin-exhibitor, in perfect condition; Riley's Turkish bath folding cabinet (as new); cost 24s. DALGLEISH, Huntingdon.

FINE collection of materia medica specimens (large) for sale; also student's chemical-apparatus; cheap. Call or write "B.," "Woodville," Albion Road, Lewisham, S.E.

COMPLETE syphon-filling plant, by Barnett & Foster, in good condition, with syphons, cases, and rest of outfit; modern type for hand or power use. EVANS, Chemist, Margate.

WANTED.

KAX tablets, 1s. 1½d. State price, HARDMAN, 80 Wellington Road, Leeds.

B.P. Codex, in good condition. State price, CLARKE, 47 Polsloe Road, Exeter.

OLD artificial teeth bought; cash return post. BROOKE, 34 Trinity Street, Boston.

A COPY of "The London Hospitals' Pharmacopœia" (Squire). State price, PARKIN, Chemist, Minehead.

ROUNDS and jars, with or without stock, for small Pharmacy. Particulars and price, 278/40, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

ADDRESSES WANTED.

PRESENT address of Mr. Charles McKie, formerly of Cape Colony. 15/15, Office of this Paper.

Coming Events.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday, April 18.

National Poor-law Officers' Association, Essex Hall, Essex Street, London, W.C., at 8 P.M. Mass meeting to discuss the report of the Royal Commission on the Poor-law.

Tuesday, April 19.

London Chemists' Association, Holborn Restaurant, W.C. Annual dinner, followed by concert and whist-drive. Tickets (6s. 6d. each) to be obtained from Mr. J. Wellesley Douglas, 19 Kennington Terrace, Kennington Park, S.E. In consequence of so many persons having expressed their intention of taking part in the whist-drive, it has been decided to abandon the dance.

Wednesday, April 20.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Mr. E. M. Nelson on "Critical Microscopy" and "What did our forefathers see in a microscope?"

Forfarshire Chemists' Association, Mathers' Hotel, Dundee, at 4 P.M. Annual meeting and election of officers.

National Union of Assistant Pharmacists, Manchester Branch, College of Pharmacy, 227 Oxford Road, at 8.30 P.M. Paper by Mr. Chas. Turner, Ph.C., on "Urine Analysis."

Portsmouth Pharmacists' Association. Members and friends will inspect the Municipal Technical College and hear an address by Dr. F. Beddow on "Apprentices and their Training." Tea will be served in the building.

Western Pharmacists' Association, Frascati's Restaurant, Oxford Street, London, W., at 7.30 P.M. Whist-drive. Tickets (3s. 6d. each) from Mr. C. T. Allen, Hon. Secretary, 20 High Road, Kilburn, N.W.

Thames Valley Pharmacists' Association, Thames Valley Café, 40 Clarence Street, Kingston-on-Thames, at 8 P.M. Social supper and Bohemian concert. Tickets, including supper and wine (gentlemen 5s. 6d., ladies 4s. 6d.), may be had from the Hon. Secretary, Mr. O. R. Windemer, Ewell Road, Surbiton.

Thursday, April 21.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W. Visit to St. Bartholomew's Hospital.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 P.M. Eighteen papers will be communicated, among them being the following: "Tetranitroaniline," by Messrs. B. Flürscheim and T. Simon; "Experiments on the Walden Inversion. Part IV: Interconversion of the Optically Active Atrolactic Acids," by Messrs. A. McKenzie and G. W. Clough; "Studies in Fermentation. Part III.: The Role of Diffusion in Fermentation by Yeast-cells," by Messrs. A. Slater and H. J. S. Sand; "Condensation of Anisaldehyde with Resorcinol," by Messrs. F. G. Pope and H. Howard; "Influence of Persulphates on the Estimation of Hydrogen Peroxide with Permanganate," by Mr. J. A. N. Friend.

Friday, April 22.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Mr. T. Thorne Baker on "The Telegraphy of Photographs, Wireless and by Wire."

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 11.30 A.M. Scientific meeting. Mr. J. Lothian, Ph.C., on "The Solubility of Magnesium Ammonium Sulphate"; Mr. T. Dunlop, Ph.C., on "Some B.P. Ointments"; Mr. D. B. Dott, Ph.C., on "The British Pharmacopœia as a Standard." At 1 P.M., luncheon. At 2 P.M., private conference on "The Poisons and Pharmacy Act, 1908," and other questions of interest to pharmacists.

A SOCIAL EVENING in connection with the Bath Pharmaceutical Association is to be held on April 28 at 6 Milsom Street.

THE ANNUAL DINNER of the North Kent Pharmacists' Association is to be held at the Royal Mortar Hotel, Woolwich, on April 27, when Mr. J. F. Harrington and Mr. W. S. Glynn-Jones are expected to be present. Tickets (5s. each) may be had from Mr. R. Feaver Clarke, Hon. Secretary, 21 High Street, Gravesend.